

APPENDIX

GLOSSARY

^: This symbol is used when displaying mathematical equations to indicate that the preceding quantity is to be raised to the indicated power.

Example 1: $36^{.5}$ is 36 raised to the 0.5 (or $\frac{1}{2}$) power; i.e., the square root of 36.

Example 2: $125^{(1/3)} = 5$ since $5 \times 5 \times 5 = 125$.

Allowable Emission Rate:

The emission rate calculated using the maximum rated capacity of the installation (unless the source is subject to enforceable permit conditions which limit the operating rate or hours of operation, or both) and the most stringent of the following:

- 1) emission limit established in any applicable emission control rule including those with a future compliance date,
- 2) the emission rate specified as a permit condition.

For example: An installation has an emission unit which has process inputs of 40 tons per hour along with potential PM_{10} emissions of 50 pounds per hour. State Regulation 10 CSR 10-3.050, "Restriction of Emission of Particulate Matter From Industrial Processes", restricts the level of potential emission rate from a process with inputs of 40 tons per hour to a maximum of 42.5 pounds per hour. The 42.5 pound per hour value is said to be the allowable emission rate for this emission unit.

The installation, at a minimum, would have to restrict the potential emissions from the emission unit to a potential emission rate of 42.5 pounds per hour. The limitation on the potential emissions would have result from applying for some form of a "Federally Enforceable Condition" on the Emission Unit.

Basic State Installation:

A facility which emits greater than de minimis levels of any criteria pollutant or is subject to any limitation, standard, or other requirement (regardless of emission rate) under section 111 or 112 (with the exception of 112(r)) of the Clean Air Act but does not meet the criteria for **Part 70 installations**.

Breathing Loss:

Breathing loss occurs daily when a liquid is stored in a tank. Breathing loss for a product such as gasoline is due to evaporation and barometric temperature changes. The frequency with which gasoline is withdrawn from the tank, allowing fresh air to enter and enhance evaporation, also has a major effect on the quantity of emissions. Also called standing loss.

CAS #: Chemical Abstract Service Registry Number

CFR: Code of Federal Regulations

Classification:

This describes the system used by the Air Pollution Control Program (APCP) for enforcement purposes to recognize broad differences between pollution generating sources within the state. All classifications are determined by potential emissions, the amount of emissions that would be generated if a facility operated at 100% of its rated capacity 24 hours a day for 365 days a year (8760 hours). Removal of control is used to further differentiate between source classification. Uncontrolled emissions are those resulting when no air pollution control measures are considered to be in effect at an emission point. The following table outlines the definitions of the various source classifications for either criteria or Hazardous Air Pollutants (HAPs) emissions.

<u>Class</u>	<u>Emissions in tons/year</u>
A1	Potential \geq 100 for any pollutant
A2	Uncontrolled Potential \geq 100 for any pollutant
A3	Potential \geq 10 for any HAP or Potential \geq 25 for any combination of HAPs
B	Uncontrolled Potential \geq de minimis level for any pollutant
D	Uncontrolled Potential < de minimis levels for all pollutants.

CO: Carbon Monoxide

Control Device:

Equipment or process used to remove or prevent air contaminants from being emitted from an air pollution generating process.

County #:

This is the first of a pair of four digit identification numbers assigned to each facility in the Air Pollution Control Program (APCP) database. Each county within the state has been assigned a unique number by the federal government. The lowest and highest, 0020 and 5160, are assigned to Adair and Wright counties, respectively. Every facility in New Madrid county, for example, will be assigned a county number of 3300. Sources which are portable are given a county number of 7777.

Criteria Pollutants:

The pollutants regulated by the Act under Section 108 are:

PM ₁₀	-	Particulate Matter less than 10 microns in diameter
NO _x	-	Nitrogen Oxide Compounds
SO _x	-	Sulphur Oxide Compounds
VOC	-	Volatile Organic Compounds
Lead	-	Lead (Pb)
CO	-	Carbon Monoxide

CSR: Code of State Regulations

Degrees R:

Degrees Rankine = F (Fahrenheit) degrees + 460 degrees F. The volume of a gas will theoretically vanish at absolute zero or -460 degrees Fahrenheit. Absolute temperatures determined by using Fahrenheit units are expressed as degrees Rankine.

Example: 10 degrees F = (10 + 460) degrees Rankine = 470 degrees R.

De minimis Levels:

The level of emissions from an installation at which APCP considers the installation significant. These facility-wide tons per year levels are:

PM ₁₀	-	15	CO	-	100
SO _x	-	40	Lead	-	0.6
NO _x	-	40	HAPs(Individual)	-	10
VOC	-	40	HAPs(Combined)	-	25

Example: Suppose annual PM₁₀ emissions from Facility X are 20 tons but total emissions of all other criteria pollutants are below de minimis levels. Because the PM₁₀ de minimis level is exceeded, Facility X must report the PM₁₀ emissions and the total emissions of each criteria and HAP pollutant.

Emission Factor:

An average value that relates the quantity of a pollutant released to the atmosphere with the amount of activity associated with the process releasing that pollutant. Such factors can be used to estimate the emissions from various sources generating air pollution. An emission factor for natural gas combustion is 3.0 lbs of PM₁₀ per Million Cubic Feet (MMCF) of gas burned. An emission factor for a haul road can be 2.7 lbs. of PM₁₀ per Vehicle Miles Traveled (VMT).

EIQ: Emission Inventory Questionnaire**Emission Point:**

Any specific point or area where an air pollutant is released from a process or operation into the ambient air.

Example: Suppose the first emission point at a facility is a 30 foot stack which emits pollutants from a boiler, the stack rather than the boiler could be labeled EP1. The boiler would be the process producing air pollutants, so an appropriate Source Classification Code (SCC) would be chosen to reflect that the boiler is one process under this emission point.

Emission Unit:

Any part or activity of an installation that emits or has the potential to emit any regulated air pollutant or any pollutant listed under section 112(b) of the Act (10 CSR 10-6.020). For the purposes of the operating permit application, an emission unit is a sub-point of an emission point from the Emissions Inventory Questionnaire.

For example, an EIQ for Facility B lists Emission Point 1 as a stack which emits pollutants from two boilers and a kiln. The three emission units are boiler 1, boiler 2, and the kiln.

Facility:

For the purposes of this operating permit application only, facility and installation are interchangeable terms. (see **Installation** for further information).

Federally-Enforceable Conditions:

All limitations and conditions which are enforceable by the administrator for Region VII of the United States Environmental Protection Agency, including those requirements developed pursuant to 10 CSR 10-6.070 or 6.080, requirements within any applicable state implementation plan, any construction permit requirements established pursuant to 10 CSR 10-6.060, including operating permits issued under an EPA-approved program that is incorporated into the state implementation plan and expressly requires adherence to any permit issued under the program (10 CSR 10-6.065). Voluntary conditions proposed in the operating permit application will become federally-enforceable when the operating permit is finally issued.

Grouping Emission Units:

Under certain conditions processes may be grouped together and reported under one emission point. The processes must be the same (or quite similar) and, if control devices are operative on emissions from any process, all processes must be controlled. In addition, any control devices must remove specific pollutants with the same efficiencies at all processes. Typically the emissions generated by each process are "small" or the processes are so similar that reporting them as distinct points adds little or nothing to the EIQ. Examples of common groupings are space heaters, all of which burn the same fuel; limestone chat haul roads carrying similar types of vehicular traffic; and multiple dump pits at a grain elevator.

Hazardous Air Pollutant (HAP):

Any of the air pollutants listed in 10 CSR 10-6.020(3)(C). A copy of this list is provided in the appendix.

Intermediate State Installation:

A facility that would meet the emissions criteria for a **Part 70 installation**, except for the imposition of voluntarily agreed to **Federally-Enforceable Conditions** proposed in the operating permit application, that reduce its potential emissions below Part 70 levels.

Installation:

All emission point/unit operations that belong to the same industrial grouping (the same first two(2)-digits of the SIC code) that are located on one (1) or more contiguous or adjacent properties and are under the control of the same person (or persons under common control). This definition includes any activities that result in fugitive emissions, and any marine vessels emissions while docked at the installation. (As defined in 10 CSR 10 6.020)

MCF: Thousand Cubic Feet

MMCF: Million Cubic Feet

MCF and MMCF are commonly used measures of natural gas consumption. The SCC (Source Classification Code) emission factors for natural gas are expressed in MMCF of gas burned, but some gas utilities' bills are expressed in terms of MCF. For emissions to be correctly calculated, the MCF term must first be converted to MMCF by dividing the MCF quantity by 1000.

Example: $16,972 \text{ MCF} = 16,972 \div 1,000 \text{ MMCF} = 16.972 \text{ MMCF}$.

MHDR (Maximum Hourly Design Rate):

Maximum Hourly Design Rate is the maximum throughput that could be processed in one hour of continuous operation by the equipment at this emission point. The throughput and MHDR must be expressed in the same SCC (Source Classification Code) units. If specific equipment information on the MHDR is not available, contact the Air Pollution Control Program for alternative methods to estimate the MHDR.

Example: Suppose the maximum capacity of a dump pit at a country elevator is 5,000 bushels an hour and wheat is the typical grain processed. Because the SCC units for grain receiving are in tons, the MHDR must be stated in terms of tons, not bushels.

$5,000 \text{ bushels} \times 60 \text{ lbs/bushel} \div 2,000 \text{ lbs/ton} = 150 \text{ tons MHDR.}$

Molecular Weight:

The sum of the atomic weight of the constituent elements.

Example: The molecular weight of methane (CH_4) is $12 + 4(1) = 16$ grams. This follows from the periodic table observation that the atomic weights of carbon and hydrogen are 12 and 1 grams, respectively.

NO_x: Nitrogen Oxide Compounds, a criteria air pollutant.

Part 70 Installation:

A facility that meets either a source category or the emission criteria in 10 CSR 10-6.065(1)(D). Part 70 installations are subject to all the Part 70 operating permit requirements found in Section (6) of 10 CSR 10-6.065. See Instructions for Section A for information on how to determine whether your facility is a Part 70 installation.

Plant #:

This is the second of a pair of four digit identification numbers assigned to all facilities in the APCP data base. Each facility within a county has been assigned this unique identification number by the APCP. The lowest plant number will always be 0001 but the highest will be dependent upon the number of facilities in the county.

PM₁₀ (Particulate Matter less than ten microns):

Particulate Matter with an aerodynamic diameter of less than 10 microns, a criteria air pollutant. Examples are dust or smoke. If an emission factor is not listed for PM₁₀, usually an emission factor can be calculated as ½ of the TSP (Total Suspended Particulate) emission factor.

Potential Emissions:

The emission rates of any pollutant at maximum design capacity. Annual potential shall be based on the maximum annual-rated capacity of the installation assuming continuous year-round operation. Federally enforceable permit conditions on the type of material combusted or processed, operating rates, hours of operation or the application of air pollution control equipment shall be used in determining the annual potential. Secondary emissions (emissions which occur or would occur as a result of the construction or operation of the installation or major modification but do not come from the installation or modification itself, do not count in determining annual potential.

Potential Emissions - Uncontrolled:

The amount of pollutants that could be emitted by a facility if all equipment is operated at the maximum hourly design rate for 24 hours per day, 7 days a week, 52 weeks per year (8760 hours) removing the effect of any pollution control devices, such as a baghouse, being taken into account.

PSIA: Pounds per square inch

Responsible Official:

Includes one (1) of the following:

- A. The president, secretary, treasurer or vice-president of a corporation in charge of a principal business function, or any other person who performs similar policy and decision-making functions for the corporation or a duly authorized representative of this person if the representative is responsible for the overall operation of one (1) or more manufacturing, production, or operating facilities applying or subject to a permit and either-
 - (I) The facilities employ more than two hundred and fifty (250) persons or have a gross annual sales or expenditures exceeding twenty-five million dollars (in second quarter 1980 dollars); or
 - (II) The delegation of authority to his representative is approved in advance by the permitting authority.
- B. A general partner in a partnership or the proprietor in a sole proprietorship.
- C. Either a principal executive officer or a ranking elected official in a municipality, state, federal, or other public agency. For the purpose of this part, a principal executive officer of a federal agency includes the chief executive officer having responsibility for the operations of a principal geographic unit of the agency; or
- D. The designated representative of an affected source insofar as actions, standards, requirements or prohibitions under IV of the Clean Air Act or the regulations promulgated under the Act are concerned and the designated representative for any purposes under Part 70. (10 CSR 10-6.020)

Reporting Level (Reporting Threshold):

If, after grouping similar processes, 200 lbs (0.1 tons) or more of criteria pollutants are emitted from a point, then all criteria pollutant emissions from that point must be reported. (HAP reporting levels are listed in the Form 2.T instructions.)

Example 1: Suppose processes X, Y and Z are similar and have TPM emissions of 100 lbs, 125 lbs, and 150 lbs, respectively. Since the processes are similar, the TSP emissions must be totaled in order to determine whether or not these emissions must be reported. This total is $100 + 125 + 150 = 375$ lbs and exceeds the 0.1 reporting threshold. Accordingly, processes X, Y, and Z will be reported under one point, say EP5, on Form 2.0. If there are other emission factors (such as PM10 and VOC) listed with the SCC assigned to EP5, then emissions of these pollutants must also be reported, even though they do not exceed the 200 lb reporting threshold. The throughput listed on Form 2.0 would be the sum of the throughputs for processes X, Y and Z.

Example 2: Suppose process A emits 100 lbs of VOC, 150 lbs of TSP and 125 lbs of PM10. Since the total of these emissions exceeds 200 lbs, these emissions from process A must be reported.

Rounding Numbers:

This term has to do with approximating numerals. The reason for the approximation is to make the representation less complicated.

Example: Round 4.527 to two decimal places, i.e., approximate this number to the nearest hundreds. (Allow only two digits to the right of the decimal.) Since 7 is greater than or equal to 5, in rounding we "drop" the 7 and add 1 to the 2 (the hundreds position). Thus, 4.527 rounded = 4.53.

Example: Round 3.524 to the nearest hundreds. "Drop" the 4 since 4 is less than 5; do not add 1 to the 2; therefore, 3.524 rounded = 3.52

Rounding is to be contrasted with truncation. In truncation, digits are "dropped" with no effect on digits to the left.

Example: Truncate to two decimal positions.
4.527 truncated = 4.52; 3.514 truncated = 3.51.

On the 1992 EIQ, many individuals did not round to the nearest hundreds but truncated instead. Answers are to be rounded, not truncated.

RVP 7: Diesel gasoline

RVP 10: Normal gasoline

RVP 13: Ethanol blended gasoline

SIC: Standard Industrial Classification. This is a designation system by the federal government. The Standard Industrial Classification was developed for use in the classification of establishments by type of activity in which they are engaged; for purposes of facilitating the collection, presentation, and analysis of data relating to establishments; and for promoting uniformity and comparability in the presentation of statistical data collected by various agencies of the United States Government, State agencies, trade associations, and private research organizations. The SIC for *establishments* differ from a classification for *enterprises* (companies) or products. An enterprise consists of all establishments having more than 50% common direct or indirect ownership. The SIC is intended to cover the entire field of economic activities: agriculture, forestry, fishing, hunting, and trapping; mining; construction; manufacturing; transportation, communication, electric, gas, and sanitary services; wholesale trade; retail trade; finance, insurance, and real estate; personal, business, professional, repair, recreation, and other services; and public administration.

SCC: Source Classification Code is an eight digit number associated with a unique process from which air pollutants are emitted.

Example: A solvent-based paint applied in a paint booth could have an SCC of 4-02-001-01 or 4-02-001-02. Which of the two is appropriate would depend on the throughput units chosen. The throughput units for 4-02-001-01 are in tons of coating mix applied. Throughput units for 4-02-001-02 are in gallons of coating mix applied.

SCC Units:

The measure by which annual throughput is denoted; examples are tons, gallons, million cubic feet, vehicle miles traveled, etc.

SO_x: Sulfur Oxide Compounds, a criteria air pollutant.

Total Potential Emissions:

The emissions resulting if the facility operated at maximum capacity twenty-four(24) hours per day, seven(7) days per week, fifty-two(52) weeks per year.

In the operating permit application, your facility's **Total potential emissions** are the annual **potential emissions** that would be possible when the facility is in compliance with **federally-enforceable conditions** that are currently in place. The voluntary conditions proposed in the operating permit should be included in the calculation of **total potential emissions**.

Toxic Air Pollutant:

For the purposes of the operating permit application, toxic and **Hazardous Air Pollutant (HAP)** are interchangeable terms.

True Vapor Pressure:

The equilibrium partial pressure exerted by a volatile organic liquid, as defined by ASTM-D 2879 or as obtained from standard reference texts.

TSP: Total Suspended Particulate

Vapor Pressure:

When liquids evaporate, gas vapor forms at the surface of the liquid and escapes. In a closed container, the vapor accumulates and creates pressure called vapor pressure. Each liquid exerts its own vapor pressure at a given temperature. As temperature increases, more vapor forms and vapor pressure increases.

VMT: Vehicle Miles Traveled

VOC: Volatile Organic Compounds, a criteria air pollutant

Working Loss:

Evaporative loss occurring as a result of the filling and the withdrawal of liquid to and from a storage tank. Also called withdrawal loss.

LIST OF MISSOURI SENATORIAL DISTRICTS
(as of August 1994)

DISTRICT 1

Counties
St. Louis (part of)

DISTRICT 2

Counties
Lincoln
Montgomery
Pike
St. Charles (part of)
Warren

DISTRICT 3

Counties
St. Louis (part of)
St. Louis City (part of)

DISTRICT 4

Counties
St. Louis City (part of)

DISTRICT 5

Counties
St. Louis City (part of)

DISTRICT 6

Counties
Benton
Cole
Cooper
Hickory
Miller
Moniteau
Morgan

DISTRICT 7

Counties
St. Louis (part of)

DISTRICT 8

Counties
Jackson (part of)

DISTRICT 9

Counties
Jackson (part of)

DISTRICT 10

Counties
Jackson (part of)

DISTRICT 11

Counties
Jackson (part of)

DISTRICT 12

Counties
Atchison
Carroll
Clinton
Davies
DeKalb
Gentry
Grundy
Harrison
Holt
Linn
Livingston
Mercer
Nodaway
Putnam
Sullivan
Worth

DISTRICT 13

Counties
St. Louis (part of)

DISTRICT 14

Counties
St. Louis (part of)

DISTRICT 15

Counties
St. Louis (part of)

LIST OF MISSOURI SENATORIAL DISTRICTS
(as of August 1994)

DISTRICT 16

Counties
Callaway
Crawford
Dent
Gasconade
Maries
Osage
Phelps
Texas

DISTRICT 17

Counties
Clay

DISTRICT 18

Counties
Adair
Audrain
Clark
Knox
Lewis
Macon
Marion
Monroe
Ralls
Schuyler
Scotland
Shelby

DISTRICT 19

Counties
Boone
Howard
Randolph

DISTRICT 20

Counties
Carter
Iron
Jefferson (part of)
Oregon
Reynolds
Ripley

DISTRICT 20 - Continued

Shannon
St. Francois
Ste. Genevieve

DISTRICT 21

Counties
Caldwell
Chariton
Jackson (part of)
Lafayette
Pettis
Ray
Saline

DISTRICT 22

Counties
Jefferson (part of)

DISTRICT 23

Counties
St. Charles (part of)

DISTRICT 24

Counties
St. Louis (part of)

DISTRICT 25

Counties
Butler
Dunklin
New Madrid
Pemiscot
Stoddard
Wayne

DISTRICT 26

Counties
Franklin
St. Louis (part of)
Washington

LIST OF MISSOURI SENATORIAL DISTRICTS
(as of August 1994)

DISTRICT 27

Counties
Bollinger
Cape Girardeau
Madison
Mississippi
Perry
Scott

DISTRICT 28

Counties
Barton
Cedar
Dade
Greene (part of)
Lawrence
Polk
Vernon

DISTRICT 29

Counties
Barry
Christian
Douglas
Howell
Ozark
Stone
Taney

DISTRICT 30

Counties
Greene (part of)

DISTRICT 31

Counties
Bates
Cass
Henry
Johnson
St. Clair

DISTRICT 32

Counties
Jasper
McDonald
Newton

DISTRICT 33

Counties
Camden
Dallas
Laclede
Pulaski
Webster
Wright

DISTRICT 34

Counties
Andrew
Buchanan
Platte

LIST OF MISSOURI REPRESENTATIVE DISTRICTS
(as of August 1994)

DISTRICT 1

Counties
Clark
Knox
Lewis
Schuyler
Scotland

DISTRICT 2

Counties
Adair
Putnam
Sullivan (part of)

DISTRICT 3

Counties
Davies
Grundy
Harrison
Mercer
Sullivan (part of)

DISTRICT 4

Counties
Atchison
Nodaway
Worth

DISTRICT 5

Counties
Andrew
DeKalb (part of)
Gentry
Holt

DISTRICT 6

Counties
Caldwell (part of)
Clinton
DeKalb (part of)
Ray (part of)

DISTRICT 7

Counties
Carroll
Linn (part of)
Livingston

DISTRICT 8

Counties
Chariton
Linn (part of)
Macon
Sullivan (part of)

DISTRICT 9

Counties
Audrain (part of)
Lincoln (part of)
Monroe
Pike (part of)
Ralls
Shelby (part of)

DISTRICT 10

Counties
Marion
Shelby (part of)

DISTRICT 11

Counties
Lincoln (part of)
Pike (part of)

DISTRICT 12

Counties
Lincoln (part of)
St. Charles (part of)

DISTRICT 13

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St. Charles (part of)

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St. Charles (part of)

DISTRICT 15

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St. Charles (part of)

DISTRICT 16

Counties
St. Charles (part of)

LIST OF MISSOURI REPRESENTATIVE DISTRICTS
(as of August 1994)

DISTRICT 17

County
St. Charles (part of)

DISTRICT 18

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St. Charles (part of)

DISTRICT 19

Counties
Montgomery
Warren

DISTRICT 20

County
Callaway (part of)

DISTRICT 21

Counties
Audrain (part of)
Boone (part of)
Callaway (part of)

DISTRICT 22

Counties
Boone (part of)
Howard (part of)
Randolph
Chariton (part of)

DISTRICT 23

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Boone (part of)

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Boone (part of)

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Boone (part of)

DISTRICT 26

Counties
Boone (part of)
Howard (part of)
Saline

DISTRICT 27

County
Buchanan (part of)

DISTRICT 28

County
Buchanan (part of)

DISTRICT 29

Counties
Clay (part of)
Platte (part of)

DISTRICT 30

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Clay (part of)
Platte (part of)

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Clay (part of)

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Clay (part of)
Platte (part of)

DISTRICT 33

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Clay (part of)

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Clay (part of)

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Clay (part of)

DISTRICT 36

Counties
Caldwell (part of)
Clay (part of)
Ray (part of)

LIST OF MISSOURI REPRESENTATIVE DISTRICTS
(as of August 1994)

DISTRICT 37

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Jackson (part of)

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Jackson (part of)

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St. Louis City (part of)

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St. Louis City (part of)

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St. Louis City (part of)

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St. Louis City (part of)

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St. Louis City (part of)

LIST OF MISSOURI REPRESENTATIVE DISTRICTS
(as of August 1994)

DISTRICT 62

St. Louis City (part of)

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St. Louis City (part of)

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St. Louis (part of)

LIST OF MISSOURI REPRESENTATIVE DISTRICTS
(as of August 1994)

DISTRICT 87

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St. Louis (part of)

DISTRICT 88

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St. Louis (part of)

DISTRICT 89

County
St. Louis (part of)

DISTRICT 90

Counties
Jefferson (part of)
St. Louis (part of)

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Jefferson (part of)

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Counties
Franklin (part of)
Jefferson (part of)

DISTRICT 106

Counties
Bollinger (part of)
Madison
Jefferson (part of)

DISTRICT 107

Counties
St. Francois (part of)
Ste. Genevieve (part of)

DISTRICT 108

St. Louis City (part of)

LIST OF MISSOURI REPRESENTATIVE DISTRICTS

(as of August 1994)

DISTRICT 109

Counties
Franklin (part of)

DISTRICT 110

Counties
Crawford (part of)
Franklin (part of)
Washington (part of)

DISTRICT 111

Counties
Crawford (part of)
Franklin (part of)
Gasconade (part of)

DISTRICT 112

Counties
Gasconade (part of)
Maries (part of)
Osage

DISTRICT 113

County
Cole (part of)

DISTRICT 114

County
Cole (part of)

DISTRICT 115

Counties
Camden (part of)
Miller

DISTRICT 116

Counties
Camden (part of)
Morgan (part of)

DISTRICT 117

Counties
Cooper (part of)
Moniteau
Morgan (part of)
Pettis (part of)

DISTRICT 118

County
Pettis (part of)

DISTRICT 119

Counties
Benton (part of)
Hickory
Pettis (part of)
St. Clair (part of)

DISTRICT 120

Counties
Cass (part of)
Henry
Johnson (part of)
St. Clair (part of)

DISTRICT 121

County
Johnson (part of)

DISTRICT 122

County
Lafayette

DISTRICT 123

County
Cass (part of)

DISTRICT 124

Counties
Cass (part of)
Johnson (part of)

DISTRICT 125

Counties
Bates
Cass (part of)
Vernon (part of)

DISTRICT 126

Counties
Barton
Jasper (part of)
Vernon (part of)

DISTRICT 127

Counties
Jasper (part of)
Newton (part of)

DISTRICT 128

County
Jasper (part of)

LIST OF MISSOURI REPRESENTATIVE DISTRICTS
(as of August 1994)

DISTRICT 129

Counties
Jasper (part of)
Newton (part of)

DISTRICT 130

Counties
McDonald (part of)
Newton (part of)

DISTRICT 131

Counties
Barry (part of)
McDonald (part of)

DISTRICT 132

Counties
Barry (part of)
Lawrence (part of)
Newton (part of)

DISTRICT 133

Counties
Cedar
Dade
Greene (part of)
Lawrence (part of)

DISTRICT 134

County
Greene (part of)

DISTRICT 135

County
Greene (part of)

DISTRICT 136

County
Greene (part of)

DISTRICT 137

County
Greene (part of)

DISTRICT 138

County
Greene (part of)

DISTRICT 139

County
Greene (part of)

DISTRICT 140

Counties
Greene (part of)
Webster

DISTRICT 141

Counties
Barry (part of)
Stone
Taney (part of)

DISTRICT 142

Counties
Christian (part of)
Greene (part of)

DISTRICT 143

Counties
Christian (part of)
Ozark (part of)
Taney (part of)

DISTRICT 144

Counties
Douglas
Ozark (part of)
Wright

DISTRICT 145

Counties
Dallas (part of)
Polk

DISTRICT 146

Counties
Dallas (part of)
Laclede

DISTRICT 147

Counties
Pulaski (part of)
Texas

LIST OF MISSOURI REPRESENTATIVE DISTRICTS
(as of August 1994)

DISTRICT 148

County
Pulaski (part of)

DISTRICT 149

County
Phelps (part of)

DISTRICT 150

Counties
Crawford (part of)
Dent
Phelps (part of)
Reynolds (part of)

DISTRICT 151

County
Howell

DISTRICT 152

Counties
Iron
Reynolds (part of)
St. Frances (part of)
Washington (part of)

DISTRICT 153

Counties
Carter
Oregon
Reynolds (part of)
Ripley (part of)
Shannon

DISTRICT 154

County
Butler (part of)

DISTRICT 155

Counties
Perry
Ste. Genevieve (part of)

DISTRICT 156

Counties
Bollinger (part of)
Butler (part of)
Ripley (part of)
Wayne (part of)

DISTRICT 157

Counties
Bollinger (part of)
Cape Girardeau (part of)

DISTRICT 158

County
Cape Girardeau (part of)

DISTRICT 159

Counties
Scott (part of)
Stoddard (part of)

DISTRICT 160

Counties
Mississippi (part of)
New Madrid (part of)
Scott (part of)

DISTRICT 161

Counties
Mississippi (part of)
New Madrid (part of)
Scott (part of)

DISTRICT 162

Counties
Dunklin (part of)
New Madrid (part of)
Pemiscot

DISTRICT 163

Counties
Butler (part of)
Dunklin (part of)
New Madrid (part of)
Stoddard (part of)

List of Exempt Installations and Emission Units

The following installations are exempt from the requirements of 10 CSR 10-6-065:

1. Any installation that would be required to obtain a permit solely because it is subject to 10 CSR 10-6.070(7)(AAA) Standard of Performance For New Residential Wood Heaters;
2. Any installation that would be required to obtain a permit solely because it is subject to 10 CSR 10-6.240 or 10 CSR 10-6.250;
3. Single or multiple family dwelling units for not more than three (3) families;
4. Comfort air conditioning or comfort ventilating systems not designed or used to remove air contaminants generated by, or released from, specific units of equipment;
5. Equipment used for any mode of transportation;
6. Livestock and livestock handling systems from which the only potential air contaminants is odorous gas;
7. Restaurants and other retail establishments for the purpose of preparing food for employee and guest consumption;
8. Fugitive dust controls unless a control efficiency can be assigned to the equipment or control equipment;
9. Equipment or control equipment which eliminates all emissions to the ambient air.
10. Equipment (other than anaerobic lagoons) or control equipment which emits odors unless this equipment also emits other regulated air pollutants;
11. Residential wood heaters, cookstoves or fireplaces;
12. Laboratory equipment used exclusively for chemical and physical analysis or experimentation is exempt, except equipment used for controlling radioactive air contaminants;
13. Recreational fireplaces;
14. Stacks or vents to prevent the escape of sewer gases through plumbing traps or systems handling domestic sewage only. Systems which include any industrial waste do not qualify for this exemption.

Hazardous Air Pollutants (HAPs) which Are Regulated Under Section 112 of the clean Air Act

Chemical Name	CAS No.	Synonyms	VOC	Particulates
ACETALDEHYDE	75-07-0	ACETIC ALDEHYDE, ALDEHYDE, ETHANOL, ETHYL ALDEHYDE	YES	NO
ACETAMIDE	60-35-5	ACETIC ACID AMIDE, ETHANAMIDE CYANOMETHANE	YES	NO
ACETONITRILE	75-05-8	METHYL CYANIDE, ETHANENITRILE, CYANOMETHANE	YES	NO
ACETOPHENONE	98-86-2	ACETYL BENZENE, METHYL PHENYL KETONE AND HYPNONE	YES	NO
ACETYLAMINOFLOURENE, [2-]	53-96-3	N-2-FLUORENYL ACETAMIDE, N-FLUOREN-2-YL ACETAMIDE, 2-ACETAMIDOFLOURENE	NO	NO
ACROLEIN	107-02-8	ACRYLALDEHYDE, ACRYLIC ALDEHYDE, ALLYL ALDEHYDE, PROPENAL	YES	NO
ACRYLAMIDE	79-06-1	PROPENAMIDE, ACRYLIC AMIDE, ACRYLAMIDE MONOMER, ETHYLENECARBOXAMIDE	YES	NO
ACRYLIC ACID	79-10-7	PROPENOIC ACID, ETHYLENE CARBOXYLIC ACID, VINYLFORMIC ACID	YES	NO
ACRYLONITRILE	107-13-1	VINYL CYANIDE, CYANOETHYLENE, PROPENE NITRILE, AN	YES	NO
ALLYL CHLORIDE	107-05-1	1-CHLORO-2-PROPENE, 3-CHLOROPROPYLENE, CHLORALLYLENE, ALPHA-PROPYLENE	YES	NO
AMINOBIIPHENYL, [4-]	92-67-1	BIPHENYLINE, P-PHENYLANILINE, XENYLAMINE, 4-AMINODIPHENYL, 4-BIPHENYLAMINE	NO	NO
ANILINE	62-53-3	AMINO BENZENE, PHENYLAMINE, ANILINE OIL, AMINOPHEN, ARYLAMINE	YES	NO
ANISIDINE, [ORTHO-]	90-04-0	O-METHOXYANILINE	YES	NO
ANTIMONY COMPOUNDS	20-00-8	ANTIMONY (TRIOXIDE, PENTACHLORIDE, TRIBROMIDE, TRICHLORIDE, TRIFLUORIDE)	NO	YES
ARSENIC COMPOUNDS (INORGANIC INCLUDING)	20-01-9	ARSENIC (DIETHYL, DISULFIDE, PENTOXIDE, TRICHLORIDE, TRIOXIDE, TRISULFIDE)	NO	YES
ASBESTOS	1332-21-4	CHRYSTILE, AMOSITE, CROCIDOLITE, TREMOLITE, ANTHOPHYLLITE, ACTINOLITE	NO	YES
BENZENE	71-43-2	BENZOL, PHENYL HYDRIDE, COAL NAPHTHA, PHENE, BENXOLE, CYCLOHEXATRIENE	YES	NO
BENZIDINE	92-87-5	4,4'-BIPHENYLDIAMINE, P-DIAMINODIPHENYL, 4,4'-DIAMINOBIIPHENYL, BENZIDINE BASE	NO	NO
BENZOTRICHLORIDE	98-07-7	BENZOIC TRICHLORIDE, PHENYL CHLOROPHORM TRICHLOROMETHYLBENZENE	YES	NO
BENZYL CHLORIDE	100-44-7	ALPHA-CHLOROTOLUENE, TOLYL CHLORIDE	YES	NO
BERYLLIUM COMPOUNDS	20-03-1	BERYLLIUM (ACETATE, CARBONATE, CHLORIDE, FLUORIDE, HYDROXIDE, NITRATE, OXIDE)	NO	YES
BIPHENYL, [1,1-]	92-52-4	DIPHENYL, PHENYLBENZENE	YES	NO
BIS(CHLOROETHYL)ETHER	111-44-4	DICHLOROETHYL ETHER, DICHLOROETHER, DICHLOROETHYL OXIDE, BCEE	YES	NO
BIS(CHLOROMETHYL)ETHER	542-88-1	BCME, SYM-DICHLOROMETHYL ETHER, DICHLOROMETHYL ETHER, OXYBIS-(CHLOROMETHANE)	NO	NO
BROMOFORM	75-25-2	TRIBROMOMETHANE, METHYL TRIBROMIDE	NO	NO
BROMOETHANE	74-83-9	METHYL BROMIDE	YES	NO
BUTADIENE, [1,3-]	106-99-0	BIETHYLENE, BIVINYL, BUTADIENE MONOMER, DIVINYL ERYTHRENE, VINYLETHYLENE	YES	NO

Hazardous Air Pollutants (HAPs) which Are Regulated Under Section 112 of the clean Air Act - Continued

Chemical Name	CAS No.	Synonyms	VOC	Particulates
BUTYLENE OXIDE, [1,2-]	106-88-7	1,2-EPOXYBUTANE, 1-BUTENE OXIDE, 1,2-BUTENE OXIDE	NO	NO
CADMIUM COMPOUNDS	20-04-2	CADMIUM(DUST, FUME, ACETATE, CHLORATE CHLORIDE, FLUORIDE, OXIDE, SULFATE, SULFIDE)	NO	YES
CALCIUM CYANAMIDE	156-62-7	NITROLIME, CALCIUM CARBIMIDE, CYANAMIDE	NO	NO
CAPROLACTAM	105-60-2	HEXAHYDRO-2H-AZEPIN-2-ONE, AMINOCAPROIC LACTAM, EPSILON-CAPROLACTAM	YES	NO
CAPTAN	133-06-2	N-TRICHLOROMETHYLMERCAPTO-4-CYCLOHEXENE-1,2-DICARBOXIMIDE	NO	NO
CARBARYL	63-25-2	1-NAPHTHYL-N-METHYLCARBAMATE	NO	NO
CARBON DISULFIDE	75-15-0	CARBON BISULFIDE, DITHIOCARBONIC ANHYDRIDE	YES	NO
CARBON TETRACHLORIDE	56-23-5	TETRACHLOROMETHANE, PERCHLOROMETHANE	YES	NO
CARBONYL SULFIDE	463-58-1	CARBON OXIDE SULFIDE, CARBONOXYSULFIDE	NO	NO
CATECHOL	120-80-9	PYROCATECHOL, O-DIHYDROXYBENZENE	NO	NO
CHLORACETIC ACID	79-11-8	MONOCHLOROACETIC ACID, CHLOROETHANOIC ACID	YES	NO
CHLORAMBEN	133-90-4	3-AMINO-2,5-DICHLOROBENZOIC ACID, AMBEN, AMIBEN*, VEGIBEN* (*TRADEMARK)	NO	NO
CHLORDANE	57-74-9	ENT9932, OCTACHLOR	NO	NO
CHLORINE	7782-50-5	BERTHOLITE	NO	NO
CHLOROACETOPHENONE, [2-]	532-27-4	PHENACYL CHLORIDE, CHLOROMETHYL PHENYL KETONE, TEAR GAS, MACE	NO	NO
CHLOROBENZENE	108-90-7	BENZENE CHLORIDE, MONOCHLOROBENZENE, CHLOROBENZOL, PHENYL CHLORIDE, MCB	YES	NO
CHLOROBENZILATE	510-15-6	ETHYL-4,4'-DICHLOROBENZILATE, ETHYL-4,4'-DICHLOROPHENYL GLYCOLLATE	NO	NO
CHLOROFORM	67-66-3	TRICHLOROMETHANE	YES	NO
CHLOROMETHYL METHYL ETHER	107-30-2	CMME, METHYL CHLOROMETHYL ETHER, CHLOROMETHOXYMETHANE, MONOCHLOROMETHYL ETHER	NO	NO
CHLOROPRENE	126-99-8	2-CHLORO-1,3-BUTADIENE, CHLOROBUTADIENE NEOPRENE RUBBER COMPOUND	YES	NO
CHROMIUM COMPOUNDS	20-06-4	CHROMIUM, CHROMIUM(II) COMPOUNDS, CHROMIUM(III) COMPOUNDS, CHROMIUM(VI) COMPOUNDS	NO	YES
COBALT COMPOUNDS	20-07-5	COBALT (BROMIDE, CARBOYL, CHLORIDE, DIACETATE, FORMATE, NITRATE, OXIDE, SULFAMATE)	NO	YES
COKE OVEN EMISSIONS	8007-45-2	COAL TAR, COAL TAR PITCH, COAL TAR DISTILLATE	NO	NO
CRESOL, [META-]	108-39-4	3-CRESOL, M-CRESYLIC ACID, 1-HYDROXY-3-METHYLBENZENE, M-HYDROXYTOLUENE	YES	NO
CRESOL, [ORTHO-]	95-48-7	2-CRESOL, O-CRESYLIC ACID, 1-HYDROXY-2-METHYLBENZENE, 2-METHYLPHENOL	YES	NO
CRESOL, [PARA-]	106-44-5	4-CRESOL, P-CRESYLIC ACID, 1-HYDROXY-4-METHYLBENZENE, 4-HYDROXYTOLUENE	YES	NO
CRESOLS (MIXED ISOMERS)	1319-77-3	CRESYLIC ACID	YES	NO

Hazardous Air Pollutants (HAPs) which Are Regulated Under Section 112 of the clean Air Act - Continued

Chemical Name	CAS No.	Synonyms	VOC	Particulates
CUMENE	98-82-8	ISOPROPYL BENZENE, 2-PHENYLPROPANE	YES	NO
CYANIDE COMPOUNDS	20-09-7	CYANIDE (BARIUM, CHLORINE, FREE, HYDROGEN, POTASSIUM, SILVER, SODIUM, ZINC)	NO	NO
DDE	3547-04-4	DICHLORODIPHENYLDICHLOROETHYLENE	NO	NO
DI(2-ETHYLHEXYL) PHTHALATE (DEHP)	117-81-7	DI(2-ETHYLHEXYL) PHTHALATE, DOP, DI-SEC-OCTYL PHTHALTE	NO	NO
DIAMINOTOLUENE, [2,4-]	95-80-7	2,4-TOLUENE DIAMINE, 3-AMINO-PARA-TOLUIDINE, 5-AMINO-ORTHO-TOLUIDINE	YES	NO
DIAZOMETHANE	334-88-3	AZIMETHYLENE, DIAZIRINE	NO	NO
DIBENZOFURAN	132-64-9	DIPHENYLENE OXIDE	NO	NO
DIBROMO-3-CHLOROPROPANE, [1,2-]	96-12-8	DBCP	NO	NO
DIBROMOETHANE, [1,2-]	106-93-4	ETHYLENE DIBROMIDE, ETHYLENE BROMIDE, SYM-DIBROMOETHANE	YES	NO
DIBUTYL PHTHALATE	84-74-2	DBP, DIBUTYL 1,2-BENZENEDICARBOXYLATE, DI-N-BUTYL PHTHALATE	NO	NO
DICHLOROBENZENE, [1,4-]	106-46-7	1,4-DICHLORO-P-DCB, 1,4-DCB, PDB, PDCB	YES	NO
DICHLOROBENZIDINE, [3,3-]	91-94-1	4,4'-DIAMINO-3,3'-DICHLOROBIPHENYL, 3,3'-DICHLOROBIPHENYL-4,4'-DIAMINO, DCB	NO	NO
DICHLOROETHANE, [1,1-]	75-34-3	ETHYLIDENE DICHLORIDE, 1,1-ETHYLIDENE DICHLORIDE, ASYMMETRICAL DICHLOROETHANE	NO	NO
DICHLOROETHANE, [1,2-]	107-06-2	ETHYLENE DICHLORIDE, 1,2-DICHLOROETHANE, GLYCOL DICHLORIDE, ETHYLENE CHLORIDE	YES	NO
DICHLOROETHYLENE, [1,1-]	75-35-4	VINYLDENE CHLORIDE, DCE, VDC	YES	NO
DICHLOROMETHANE	75-09-2	METHYLENE CHLORIDE, METHANE DICHLORIDE	NO	NO
DICHLOROPHENOXYACETIC ACID, [2,4-]	94-75-7	2,4-D ACID	NO	NO
DICHLOROPROPANE, [1,2-]	78-87-5	PROPYLENE DICHLORIDE	YES	NO
DICHLOROPROPENE, [1,3-]	542-75-6	1,3-DICHLOROPROPYLENE, ALPHA-CHLORALLYL CHLORIDE	NO	NO
DICHLORVOS	62-73-7	DDVP, 2,2-DICHLOROVINYLDIMETHYLPHOSPHATE	NO	NO
DIETHANOLAMINE	111-42-2	BIS(2-HYDROXYETHYL)AMINE, 2,2'-DIHYDROXYDIETHYLAMINE, DI(2-HYDROXYETHYL)AMINE	YES	NO
DIETHYL SULFATE	64-67-5	DIETHYL ESTER SULFURIC ACID, ETHYL SULFATE	YES	NO
DIMETHOXYBENZIDINE, [3,3'-]	119-90-4	FAST BLUE B BASE, DIANISIDINE, O-DIANISIDINE	NO	NO
DIMETHYL BENZIDINE, [3,3'-]	119-93-7	O-TOLIDINE, BIANISIDINE, 4,4'-DIAMINO- 3,3'DIMETHYLBIPHENYL, DIAMINODITOYL	NO	NO
DIMETHYL FORMAMIDE	68-12-2	DMF, FORMYLDIMETHYLAMINE	YES	NO
DIMETHYL HYDRAZINE, [1,1-]	57-14-7	UNSYMMETRICAL DIMETHYLHYDRAZINE, UDMH, Dimazine	YES	NO
DIMETHYL PHTHALATE	113-11-3	PHTHALIC ACID, DIMETHYL ESTER, DIMETHYL 1,2-BENZENEDICARBOXYLATE, DMB	NO	NO
DIMETHYL SULFATE	77-78-1	SULFURIC ACID DIMETHYL ESTER, METHYL SULFATE, DMS	YES	NO
DIMETHYLAMINOAZOBENZENE, [4-]	60-11-7	N,N-DIMETHYL-P-PHENYLAZO-ANILINE, BENZENEAZO DIMETHYLANILINE	NO	NO

Hazardous Air Pollutants (HAPs) which Are Regulated Under Section 112 of the clean Air Act - Continued

Chemical Name	CAS No.	Synonyms	VOC	Particulates
DIMETHYLANILINE, [N,N-]	12-69-7	N,N-DIETHYL ANILINE, N,N-DIMETHYLPHENYLAMINE, DMA	YES	NO
DIMETHYLCARBAMOYL CHLORIDE	79-44-7	DMCC, CHLOROFORMIC ACID DIMETHYL AMIDE, DIMETHYL CARBAMYL CHLORIDE	NO	NO
DINITRO-O-CRESOL, [4,6-]	534-52-1	DNOC, 3,5-DINITRO-O-CRESOL, 2-METHYL-4,6-DINITROPHENOL	NO	NO
DINITROPHENOL, [2,4-]	51-28-5	DNP	YES	NO
DINITROTOLUENE, [2,4-]	121-14-2	DINITROTOLUOL, DNT, 1-METHYL-2,4-DINITROBENZENE	NO	NO
DIOXANE, [1,4-]	123-91-1	1,4-DIETHYLENEOXIDE, DIETHYLENE ETHER, P-DIOXANE	YES	NO
DIPHENYLHYDRAZINE, [1,2-]	122-66-7	HYDRAZOBENZENE, N,N'-DIPHENYLHYDRAZINE, N,N'-BIANILINE, 1,1'-HYDRODIBENZENE	NO	NO
DIPHENYLMETHANE DIISOCYANATE, [4,4-]	101-68-8	METHYLENE BIS(PHENYLISOCYANATE), METHYLENE DIPHENYL DIISOCYANATE, (MDI)	YES	NO
EPICHLOROHYDRIN	106-89-8	1-CHLORO-2,3-EPOXYPROPANE, EPI, CHLOROPROPYLENE OXIDE, CHLOROMETHYLOXIRANE	YES	NO
ETHYL ACRYLATE	140-88-5	ETHYL PROPENOATE, ACRYLIC ACID ETHYL ESTER	YES	NO
ETHYL CHLORIDE	75-00-3	CHLOROETHANE, MONOCHLOROETHANE, HYDROCHLORIC ETHER	YES	NO
ETHYLBENZENE	100-41-4	ETHYLBENZOL, PHENYLETHANE, EB	YES	NO
ETHYLENE GLYCOL	107-21-1	1,2-ETHANEDIOL, GLYCOL ALCOHOL, GLYCOL, EG	YES	NO
ETHYLENE OXIDE	75-21-8	1,2-EPOXYETHANE, OXIRANE, DIMETHYLENE OXIDE, ANPROLENE	YES	NO
ETHYLENE THIOUREA	96-45-7	2-IMIDAZOLIDINETHIONE, ETU	NO	NO
ETHYLENEIMINE [AZIRIDINE]	151-56-4	AZACYCLOPROPANE, DIMETHYLENEIMINE, ETHYLENIMINE, VINYLAMINE, AZIRANE	NO	NO
FORMALDEHYDE	50-00-0	OXYMETHYLENE, FORMIC ALDEHYDE, METHANAL, METHYLENE OXIDE, OXOMETHANE	YES	NO
GLYCOL ETHERS	20-10-0		NO	NO
HEPTACHLOR	76-44-8	1,4,5,6,7,8,8A-HEPTACHLORO-3A,4,7,7A- TETRAHYDRO-4,7-METHANOINDIENE	NO	NO
HEXACHLOROBENZENE	118-74-1	PERCHLOROBENZENE, HCB, PENTACHLOROPHENYL BENZENE, PHENYL PERCHLORYL	YES	NO
HEXACHLOROBUTADIENE	87-68-3	PERCHLOROBUTADIENE, 1,3-HEXACHLOROBUTADIENE, HCB	NO	NO
HEXACHLOROCYCLOPENTADIENE	77-47-4	HCCPD, HEX	NO	NO
HEXACHLOROETHANE	67-72-1	PERCHLOROETHANE, CARBON HEXACHLORIDE, HCE, 1,1,1,2,2,2-HEXACHLOROETHANE	YES	NO
HEXAMETHYLENE-1,6-DIISOCYANATE	822-06-0	1,6-DIISOCYANATOHEXANE, 1,6-HEXANEDIOL DISOCYANATE	NO	NO
HEXAMETHYLPHOSPHORAMIDE	680-31-9	HEXAMETHYLPHOSPHORIC TRIAMIDE, HEMPA, HEXAMETAPOL, HEXAMETHYLPHOSPHORAMIDE	NO	NO
HEXANE, [N-]	110-54-3	HEXANE, NCI-c60571	NO	NO
HYDRAZINE	302-01-2	METHYLHYDRAZINE, DIAMIDE, DIAMINE, HYDRAZINE BASE	NO	NO

Hazardous Air Pollutants (HAPs) which Are Regulated Under Section 112 of the clean Air Act - Continued

Chemical Name	CAS No.	Synonyms	VOC	Particulates
HYDROGEN CHLORIDE	7647-01-0	HYDROCHLORIC ACID, MURIATIC ACID, ANHYDROUS HYDROCHLORIC ACID	NO	NO
HYDROGEN FLUORIDE	7664-39-3	HYDROFLUORIC ACID, FLUOROHYDRIC ACID GAS, ANHYDROUS HYDROFLUORIC ACID	NO	NO
HYDROQUINONE	123-31-9	QUINOL, HYDROQUINOL, P-DIPHENOL, 1,4-BENZENEDIOL, HYDROCHINONE, ARCTUVIN	YES	NO
ISOPHRONE	78-59-1	3,3,5-TRIMETHYL-2-CYCLOHEXENE-1-ONE, TRIMETHYLCYCLOHEXONE, ISOACETOPHORONE	YES	NO
LEAD COMPOUNDS	20-11-1	LEAD (ACETATE, ARESENATE, CHLORIDE, FLUORIDE, IODIDE, NITRATE, SULFATE, SULFIDE)	NO	YES
LINDANE [GAMMA-HEXACHLOROCYCLOHEXANE]	58-89-9	BENZENE HEXACHLORIDE-GAMMA ISOMER	NO	NO
MALEIC ANHYDRIDE	108-31-6	2,5-FURANEDIENE, CIS-BUTENEDIOIC ANHYDRIDE, TOXILIC ANHYDRIDE	YES	NO
MANGANESE COMPOUNDS	20-12-2	MANGANESE (ACETATE, CHLORIDE, DIOXIDE, (II)-OXIDE, (III)-OXIDE, (II)-SULFATE)	NO	YES
MERCURY COMPOUNDS (ALKYL & ARYL)	20-13-3	MERCURY COMPOUNDS (METHYL-, ETHYL-, PHENYL-)	NO	NO
MERCURY COMPOUNDS (INORGANIC)	20-13-3	MERCURY (CHLORIDE, CYANIDE, (I,II)-[BROMIDE, IODIDE, NITRATE, SULFATE], OXIDE)	NO	NO
METHANOL	67-56-1	METHYL ALCOHOL, CARBINOL, WOOD ALCOHOL, WOOD SPIRIT	YES	NO
METHOXYCHLOR	72-43-5	2,2-BIS(P-METHOXYPHENYL)-1,1,1-TRICHLOROETHANE, DIMETHOXY-DDT	NO	NO
METHYL CHLORIDE	74-87-3	CHLOROMETHANE, MONOCHLOROMETHANE	YES	NO
METHYL ETHYL KETONE	78-93-3	2-BUTANONE, MEK, BUTANONE, ETHYL METHYL KETONE	YES	NO
METHYL HYDRAZINE	60-34-4	MONOETHYLHYDRAZINE, HYDROZOMETHANE, 1-METHYLHYDRAZINE	NO	NO
METHYL IODIDE	74-88-4	IDOMETHANE	NO	NO
METHYL ISOBUTYL KETONE	108-10-1	HEXONE, 4-METHYL-2-PENTANONE, ISOBUTYLMETHYL KETONE, MIBK	YES	NO
METHYL ISOCYANATE	624-83-9	ISOCYANATOMETHANE, ISOCYANIC ACID, METHYL ESTER	NO	NO
METHYL METHACRYLATE	80-62-6	METHYL 2-METHYL-2-PROPENOATE, METHACRYLIC ACID METHYL ESTER, MME	YES	NO
METHYL TERT-BUTYL ETHER	1634-04-4	MTBE	NO	NO
METHYLENE BIS(2-CHLOROANILINE), [4,4-]	101-14-4	CURENE, MOCA, 4,4'-DIAMINO-3,3'-DICHLORODIPHENYLMETHANE	NO	NO
METHYLENEDIANILINE, [4,4-]	101-77-9	4,4'-DIAMINODIPHENYLMETHANE, DDM, MDA, BIS(4-AMINOPHENYL)METHANE, DAPM	YES	NO
MINERAL FIBERS	TP14		NO	YES
NAPHTHALENE	91-20-3	NAPHTHALIN, MOTH FLAKE, TAR CAMPHOR, WHITE TAR, MOTH BALLS	NO	NO
NICKEL COMPOUNDS	20-14-4	NICKEL (ACETATE, AMMONIUM SULFATE, CHLORIDE, HYDROXIDE, NITRATE, OXIDE, SULFATE)	NO	YES
NITROBENZENE	98-95-3	NITROBENZOIL, OIL OF MIRBANE, OIL OF BITTER ALMONDS	YES	NO
NITROBIPHENYL, [4-]	92-93-3	4-NITRODIPHENYL, P-NITROBIPHENYL, P-NITROPHENYL, PNB	NO	NO

Hazardous Air Pollutants (HAPs) which Are Regulated Under Section 112 of the clean Air Act - Continued

Chemical Name	CAS No.	Synonyms	VOC	Particulates
NITROPHENOL, [4-]	100-02-7	4-HYDROXYNITROBENZENE, PARA-NITROPHENOL	NO	NO
NITROPROPANE, [2-]	79-46-9	DIMETHYLNITROMETHANE, SEC-NITROPROPANE, ISONITROPROPANE, NITROISOPROPANE	YES	NO
NITROSO-N-METHYLUREA, [N-]	684-93-5	N-METHYL-N-NITROSOUREA, N-NITROSO-N-METHYLCARBAMIDE	NO	NO
NITROSODIMETHYLAMINE, [N-]	62-75-9	DIMETHYLNITROSAMINE, DMN, DMNA	NO	NO
NITROSOMORPHOLINE, [N-]	59-89-2	4-NITROSOMORPHOLINE	NO	NO
PARATHION	56-38-2	DNTP, MONOTHIOPHOSPHATE, DIETHYL-p-NITROPHENYL	NO	NO
PCB [POLYCHLORINATED BIPHENYLS]	1336-36-3	AROCLORS, (* TLV FOR 54% CL, MULTIPLY BY 2 FOR 42% CL)	NO	NO
PENTACHLORONITROBENZENE	82-68-8	QUINTOBENZENE, PCNB, QUINIOZENE	NO	NO
PENTACHLOROPHENOL	87-86-5	PCP, PENCHOROL, PENTACHLOROPHENATE, 2,3,4,5,6-PENTACHLOROPHENOL	NO	NO
PHENOL	108-95-2	CARBOLIC ACID, PHENIC ACID, PHENYLIC ACID, PHENYL HYDRATE, HYDROXYBENZENE	YES	NO
PHENYLENEDIAMINE, [PARA-]	106-50-3	P-AMINOANILINE, 1,4-DIAMINO BENZENE, BENZENEDIAMINE, PARA	YES	NO
PHOSGENE	75-44-5	CARBONYL CHLORIDE, CARBON OXYCHLORIDE, CARBONIC ACID DICHLORIDE	YES	NO
PHOSPHINE	7803-51-2	HYDROGEN PHOSPHIDE, PHOSPHORETTED HYDROGEN, PHOSPHORUS TRIHYDRIDE	NO	NO
PHOSPHOROUS (YELLOW OR WHITE)	7723-14-0	COMMON SENSE COCKROACH AND RAT PREPARATIONS	NO	NO
PHTHALIC ANHYDRIDE	85-44-9	PHTHALIC ACID ANHYDRIDE, BENZENE-O-DICARBOXYLIC ACID ANHYDRIDE, PHTHALANDIONE	YES	NO
POLYCYCLIC ORGANIC MATTER	TP15		NO	NO
PROPANE SULTONE, [1,3-]	1120-71-4	1,2-OXATHIOLANE-2,2-DIOXIDE, 3-HYDROXY-1-PROPANESULPHONIC ACID SULTONE	NO	NO
PROPIOLACTONE, [BETA-]	57-57-8	2-OXETANONE, PROPIOLACTONE, BPL, 3-HYDROXY-B-LACTONE-PROPANOIC ACID	NO	NO
PROPIONALDEHYDE	123-38-6	PROPANOL, PROPYL ALDEHYDE, PROPIONIC ALDEHYDE	YES	NO
PROPOXUR [BAYGON]	114-26-1	O-ISOPROPOXYPHENOL METHYLCARBAMATE, 2-(1-METHYLOXY)PHENOL METHYLCARBAMATE	NO	NO
PROPYLENE OXIDE	75-56-9	1,2-EPOXYPROPANE, METHYLETHYLENE OXIDE, METHYL OXIRANE, PROPENE OXIDE	YES	NO
PROPYLENEIMINE, [1,2-]	75-55-8	2-METHYL AZIRIDINE, 2-METHYL AZACYCLOPROPANE, METHYLETHYLENEIMINE	NO	NO
QUINOLINE	91-22-5	1-AZANAPHTHALENE, 1-BENZAZINE, BENZO(B)PYRIDINE, CHINOLEINE, LEUCOLINE	NO	NO
QUINONE	106-51-4	BENZOQUINONE, CHINONE, P-BENZOQUINONE, 1,4-BENZOQUINONE	YES	NO
RADIONUCLIDES (INCLUDING RADON)	TP16		NO	YES
SELENIUM COMPOUNDS	20-16-6	SELENIUM (METAL, DIOXIDE, DISULFIDE, HEXAFLUORIDE, MONOSULFIDE)	NO	YES

Hazardous Air Pollutants (HAPs) which Are Regulated Under Section 112 of the clean Air Act - Continued

Chemical Name	CAS No.	Synonyms	VOC	Particulates
STYRENE	100-42-5	CINNAMENE, CINNAMOL, PHENETHYLENE, PHENYLETHYLENE, VINYL BENZENE	YES	NO
STYRENE OXIDE	96-09-3	EPOXYETHYLBENZENE, PHENYLETHYLENE OXIDE, PHENYL OXIRANE, EPOXYSTYRENE	NO	NO
TETRACHLORODIBENZO-P-DIOXIN, [2,3,7,8-]	1746-01-6	TCDD	NO	NO
TETRACHLOROETHANE,[1,1,2,2-]	79-34-9	SYM-TETRACHLOROETHANE, ACETYLENE TETRACHLORIDE, ETHANE TETRACHLORIDE	YES	NO
TETRACHLOROETHYLENE	12-18--4	PERCHLOROETHYLENE, CARBON DICHLORIDE, ETHYLENE TETRACHLORIDE, PCE, PERCLEN	YES	NO
TITANIUM TETRACHLORIDE	7550-45-0	TITANIUM CHLORIDE	NO	NO
TOLUENE	108-88-3	TOLUOL, METHYLBENZENE, PHENYLMETHANE, METHYLBENZOL	YES	NO
TOLUENE DIISOCYANATE, [2,4-]	584-84-9	TDI, TOLYLENE DIISOCYANATE, DIISOCYANATOLUENE	YES	NO
TOLUIDINE, [ORTHO-]	95-53-4	ORTHO-AMINOTOLUENE, ORTHO-METHYLANILINE 1-METHYL-1,2-AMINO BENZENE	YES	NO
TOXAPHENE	8001-35-2	CHLORINATED CAMPHENE, CAMPHECHLOR, POLYCHLORCAMPHENE	NO	NO
TRICHLOROBENZENE, [1,2,4-]	120-82-1	UNSYM-TRICHLOROBENZENE	YES	NO
TRICHLOROETHANE, [1,1,1-]	71-55-6	METHYL CHLOROFORM	NO	NO
TRICHLOROETHANE, [1,1,2-]	79-00-5	VINYL TRICHLORIDE, BETA-TRICHLOROETHANE	YES	NO
TRICHLOROETHYLENE	79-01-6	ETHYLENE TRICHLORIDE, ETHINYL TRICHLORIDE, TRICHLOROETHENE, TRI, TCE	YES	NO
TRICHLOROPHENOL, [2,4,5-]	95-95-4	2,4,5-TCP	NO	NO
TRICHLOROPHENOL, [2,4,6-]	88-06-2	2,4,6-TCP	NO	NO
TRIETHYLAMINE	121-44-8	N,N-DIETHYLETHANAMINE, TEA, (diethylamino)ethane	YES	NO
TRIFLURALIN	1582-09-8	2,6-DINITRO-N-N-DIPROPYL-4-(TRIFLUOROMETHYL)BENZENEAMINE	NO	NO
TRIMETHYLPENTANE, [2,2,4-]	540-84-1	ISOBUTYLTRIMETHYLETHANE, ISOCTANE	NO	NO
URETHANE [ETHYL CARBAMATE]	51-79-6	ETHYL URETHANE, O-ETHYLURETHANE, LEUCOTHANE, NSC 746, URETHAN	NO	NO
VINYL ACETATE	108-05-4	ACETIC ACID VINYL ESTER, VINYL ACETATE MONOMER, ETHENYL ETHANOATE	YES	NO
VINYL BROMIDE	593-60-2	BROMOETHYLENE, BROMOETHANE	NO	NO
VINYL CHLORIDE	75-01-4	CHLOROETHYLENE, CHLOROETHENE, MONOCHLOROETHYLENE	YES	NO
XYLENE, [MTA-]	108-38-3	M-DIMETHYLBENZENE, 1,3-XYLENE, 1,3-DIMETHYLBENZENE, M-XYLOL	NO	NO
XYLENE, [ORTHO-]	95-47-6	O-XYLOL, O-DIMETHYLBENZENE, O-METHYLTOLUENE, 1,2-XYLENE, 1,2-DIMETHYLBENZENE	YES	NO
XYLENE, [PARA-]	106-42-3	P-DIMETHYLBENZENE, P-METHYLTOLUENE, 1,4-XYLENE, 1,4-DIMETHYLBENZENE, P-XYLOL	YES	NO
XYLENE (MIXED ISOMERS)	1330-20-7	AROMATIC HYDROCARBONS MIXED, DIMETHYLBENZENE	YES	NO

List of Regulated Air Pollutants

Criteria Pollutants are defined under 10CSR 10-6.010 "Ambient Air Quality Standards"

<u>Criteria Pollutants</u>	<u>Pollutant ID</u>
CARBON MONOXIDE	CO
LEAD	LEAD
NITROGEN DIOXIDE	NO ₂
PARTICULATE MATTER -- 10 MICRON	PM ₁₀
SULFUR DIOXIDE	SO ₂
OZONE (measured as VOLATILE ORGANIC COMPOUNDS)	O ₃ (VOC)
NOTE: excludes some Carbon Compounds due to negligible reactivity	

Air Pollutants Regulated under NSPS (New Source Performance Standards)

DIOXINS/FURANS(Defined to mean Total Tera through Octachlorinated Dibenzo-p-dioxins and dibenzofurans)	
FLUORIDES	F(R-)
HYDROGEN CHLORIDE	HCL
HYDROGEN SULFIDE	H ₂ S
REDUCED SULFUR COMPOUNDS	
SULFURIC ACID MIST	H ₂ SO ₄
TOTAL REDUCED SULFUR	
TOTAL SUSPENDED PARTICULATE	TSP

Hazardous Air Pollutants which are regulated under Section 112-B of the Clean Air Act.

<u>HAP Chemical Name</u>	<u>CAS Number</u>
ACETALDEHYDE	75-07-0
ACETAMIDE	60-35-5
ACETONITRILE	75-05-8
ACETOPHENONE	98-86-2
ACETYLAMINOFLUORENE, [2-]	53-96-3
ACROLEIN	107-02-8
ACRYLAMIDE	79-06-1
ACRYLIC ACID	79-10-7
ACRYLONITRILE	107-13-1
ALLYL CHLORIDE	107-05-1
AMINOBIHENYL, [4-]	92-67-1
ANILINE	62-53-3
ANISIDINE, [ORTHO-]	90-04-0
ANTIMONY COMPOUNDS	20-00-8
ARSENIC COMPOUNDS (INORGANIC INCULDING ARSINE)	20-01-9
ASBESTOS	1332-21-4
BENZENE	71-43-2
BENZIDINE	92-87-5
BENZOTRICHLORIDE	98-07-7
BENZYL CHLORIDE	100-44-7
BERYLLIUM COMPOUNDS	20-03-1
BIPHENYL, [1,1-]	92-52-4
BIS(CHLOROETHYL)ETHER	111-44-4

List of Regulated Air Pollutants

HAP Chemical Name	CAS Number
BIS(CHLOROMETHYL)ETHER	542-88-1
BROMOFORM	75-25-2
BROMOMETHANE	74-83-9
BUTADIENE, [1,3-]	106-99-0
BUTYLENE OXIDE, [1,2-]	106-88-7
CADMIUM COMPOUNDS	20-04-2
CALCIUM CYANAMIDE	156-62-7
CAPROLACTAM	105-60-2
CAPTAN	133-06-2
CARBARYL	63-25-2
CARBON DISULFIDE	75-15-0
CARBON TETRACHLORIDE	56-23-5
CARBONYL SULFIDE	463-58-1
CATECHOL	120-80-9
CHLORACETIC ACID	79-11-8
CHLORAMBEN	133-90-4
CHLORDANE	57-74-9
CHLORINE	7782-50-5
CHLOROACETOPHENONE, [2-]	532-27-4
CHLOROBENZENE	108-90-7
CHLOROBENZILATE	510-15-6
CHLOROFORM	67-66-3
CHLOROMETHYL METHYL ETHER	107-30-2
CHLOROPRENE	126-99-8
CHROMIUM COMPOUNDS	20-06-4
COBALT COMPOUNDS	20-07-5
COKE OVEN EMISSIONS	8007-45-2
CRESOL, [META-]	108-39-4
CRESOL, [ORTHO-]	95-48-7
CRESOL, [PARA-]	106-44-5
CRESOLS (MIXED ISOMERS)	1319-77-3
CUMENE	98-82-8
CYANIDE COMPOUNDS	20-09-7
DDE	3547-04-4
DI(2-ETHYLHEXYL) PHTHALATE, (DEHP)	117-81-7
DIAMINOTOLUENE, [2,4-]	95-80-7
DIAZOMETHANE	334-88-3
DIBENZOFURAN	132-64-9
DIBROMO-3-CHLOROPROPANE, [1,2-]	96-12-8
DIBROMOETHANE, [1,2-]	106-93-4
DIBUTYL PHTHALATE	84-74-2
DICHLOROBENZENE, [1,4-]	106-46-7
DICHLOROBENZIDINE, [3,3-]	91-94-1
DICHLOROETHANE, [1,1-]	75-34-3
DICHLOROETHANE, [1,2-]	107-06-2
DICHLOROETHYLENE, [1,1-]	75-35-4
DICHLOROMETHANE	75-09-2
DICHLOROPHENOXYACETIC ACID, [2,4-]	94-75-7
DICHLOROPROPANE, [1,2-]	78-87-5

List of Regulated Air Pollutants

HAP Chemical Name	CAS Number
DICHLOROPROPENE, [1,3-]	542-75-6
DICHLORVOS	62-73-7
DIETHANOLAMINE	111-42-2
DIETHYL SULFATE	64-67-5
DIMETHOXYBENZIDINE, [3,3'-]	119-90-4
DIMETHYL BENZIDINE, [3,3'-]	119-93-7
DIMETHYL FORMAMIDE	68-12-2
DIMETHYL HYDRAZINE, [1,1-]	57-14-7
DIMETHYL PHTHALATE	131-11-3
DIMETHYL SULFATE	77-78-1
DIMETHYLAMINOAZOBENZENE, [4-]	60-11-7
DIMETHYLANILINE, [N-N-]	121-69-7
DIMETHYLCARBAMOYL CHLORIDE	79-44-7
DINITRO-O-CRESOL, [4,6-]	534-52-1
DINITROPHENOL, [2,4-]	51-28-5
DINITROTOLUENE, [2,4-]	121-14-2
DIOXANE, [1,4-]	123-91-1
DIPHENYLHYDRAZINE, [1,2-]	122-66-7
DIPHENYLMETHANE DIISOCYANATE, [4,4-]	101-68-8
EPICHLOROHYDRIN	106-89-8
ETHYL ACRYLATE	140-88-5
ETHYL CHLORIDE	75-00-3
ETHYLBENZENE	100-41-4
ETHYLENE GLYCOL	107-21-1
ETHYLENE OXIDE	75-21-8
ETHYLENE THIOUREA	96-45-7
ETHYLENEIMINE [AZIRIDINE]	151-56-4
FORMALDEHYDE	50-00-0
GLYCOL ETHERS	20-10-0
HEPTACHLOR	76-44-8
HEXACHLOROBENZENE	118-74-1
HEXACHLOROBUTADIENE	87-68-3
HEXACHLOROCYCLOPENTADIENE	77-47-4
HEXACHLOROETHANE	67-72-1
HEXAMETHYLENE-1,6-DIISOCYANATE	822-06-0
HEXAMETHYLPHOSPHORAMIDE	680-31-9
HEXANE, [N-]	110-54-3
HYDRAZINE	302-01-2
HYDROGEN CHLORIDE	7647-01-0
HYDROGEN FLUORIDE	7664-39-3
HYDROQUINONE	123-31-9
ISOPHPRONE	78-59-1
LEAD COMPOUNDS	20-11-1
LINDANE [GAMMA-HEXACHLOROCYCLOHEXANE]	58-89-9
MALEIC ANHYDRIDE	108-31-6
MANGANESE COMPOUNDS	20-12-2
MERCURY COMPOUNDS (ALKYL & ARYL)	20-13-3
MERCURY COMPOUNDS (INORGANIC)	20-13-3
METHANOL	67-56-1

List of Regulated Air Pollutants

HAP Chemical Name	CAS Number
METHOXYCHLOR	72-43-5
METHYL CHLORIDE	74-87-3
METHYL ETHYL KETONE	78-93-3
METHYL HYDRAZINE	60-34-4
METHYL IODIDE	74-88-4
METHYL ISOBUTYL KETONE	108-10-1
METHYL ISOCYANATE	624-83-9
METHYL METHACRYLATE	80-62-6
METHYL TERT-BUTYL ETHER	1634-04-4
METHYLENE BIS(2-CHLOROANILINE), [4,4-]	101-14-4
METHYLENEDIANILINE, [4,4-]	101-77-9
MINERAL FIBERS	TP14
NAPHTHALENE	91-20-3
NICKEL COMPOUNDS	20-14-4
NITROBENZENE	98-95-3
NITROBIPHENYL, [4-]	92-93-3
NITROPHENOL, [4-]	100-02-7
NITROPROPANE, [2-]	79-46-9
NITROSO-N-METHYLUREA, [N-]	684-93-5
NITROSODIMETHYLAMINE, [N-]	62-75-9
NITROSOMORPHOLINE, [N-]	59-89-2
PARATHION	56-38-2
PCB [POLYCHLORINATED BIPHENYLS]	1336-36-3
PENTACHLORONITROBENZENE	82-68-8
PENTACHLOROPHENOL	87-86-5
PHENOL	108-95-2
PHENYLENEDIAMINE, [PARA-]	106-50-3
PHOSGENE	75-44-5
PHOSPHINE	7803-51-2
PHOSPHOROUS (YELLOW OR WHITE)	7723-14-0
PHTHALIC ANHYDRIDE	85-44-9
POLYCYCLIC ORGANIC MATTER	TP15
PROPANE SULTONE, [1,3-]	1120-71-4
PROPIOLACTONE, [BETA-]	57-57-8
PROPIONALDEHYDE	123-38-6
PROPOXUR [BAYGON]	114-26-1
PROPYLENE OXIDE	75-56-9
PROPYLENEIMINE, [1,2-]	75-55-8
QUINOLINE	91-22-5
QUINONE	106-51-4
RADIONUCLIDES (INCLUDING RADON)	TP16
SELENIUM COMPOUNDS	20-16-6
STYRENE	100-42-5
STYRENE OXIDE	96-09-3
TETRACHLORODIBENZO-P-DIOXIN, [2,3,7,8-]	1746-01-6
TETRACHLOROETHANE, [1,1,2,2-]	79-34-5
TETRACHLOROETHYLENE	127-18-4
TITANIUM TETRACHLORIDE	7550-45-0
TOLUENE	108-88-3

List of Regulated Air Pollutants

<u>HAP Chemical Name</u>	<u>CAS Number</u>
TOLUENE DIISOCYANATE, [2,4-]	584-84-9
TOLUIDINE, [ORTHO-]	95-53-4
TOXAPHENE	8001-35-2
TRICHLOROBENZENE, [1,2,4-]	120-82-1
TRICHLOROETHANE, [1,1,1-]	71-55-6
TRICHLOROETHANE, [1,1,2-]	79-00-5
TRICHLOROETHYLENE	79-01-6
TRICHLOROPHENOL, [2,4,5-]	95-95-4
TRICHLOROPHENOL, [2,4,6-]	88-06-2
TRIETHYLAMINE	121-44-8
TRIFLURALIN	1582-09-8
TRIMETHYLPENTANE, [2,2,4-]	540-84-1
URETHANE [ETHYL CARBAMATE]	51-79-6
VINYL ACETATE	108-05-4
VINYL BROMIDE	593-60-2
VINYL CHLORIDE	75-01-4
XYLENE, [META-]	108-38-3
XYLENE, [ORTHO-]	95-47-6
XYLENE, [PARA-]	106-42-3
XYLENES (MIXED ISOMERS)	1330-20-7

Pollutants Regulated Under Section 112 for which NESHAP (National Emission Standards for Hazardous Air Pollutants) have been established.

<u>HAP Chemical Name</u>	<u>CAS Number</u>
ARSENIC	7440-38-2
ASBESTOS	1332-21-4
BERYLLIUM	7440-41-7
BENZENE	71-43-2
MERCURY	7439-97-6
RADIONUCLIDES	TP16
VINYL CHLORIDE	75-01-4

Class I and Class II Ozone-Depleting Substances Regulated under Title VI

<u>Class I Substances</u>	<u>CAS Number</u>
<i>GROUP I</i>	
CHLOROFLUOROCARBON-11 (CFC-11)	75-69-4
CHLOROFLUOROCARBON-12 (CFC-12)	75-71-8
CHLOROFLUOROCARBON-113 (CFC-113)	76-13-1
CHLOROFLUOROCARBON-114 (CFC-114)	76-14-2
CHLOROFLUOROCARBON-115 (CFC-115)	76-15-3
ALL ISOMERS OF THE ABOVE CHEMICALS	
<i>GROUP II</i>	
HALON-1211	353-59-3
HALON-1301	75-63-8
HALON-2402	124-73-2
ALL ISOMERS OF THE ABOVE CHEMICALS	

List of Regulated Air Pollutants

<u>Class I Substances</u>		<u>CAS Number</u>
<i>GROUP III</i>		
CHLOROFLUOROCARBON-13	(CFC-13)	75-72-9
CHLOROFLUOROCARBON-111	(CFC-111)	954-56-3
CHLOROFLUOROCARBON-112	(CFC-112)	76-11-9
CHLOROFLUOROCARBON-211	(CFC-211)	422-78-6
CHLOROFLUOROCARBON-212	(CFC-212)	3182-26-1
CHLOROFLUOROCARBON-213	(CFC-213)	2354-06-5
CHLOROFLUOROCARBON-214	(CFC-214)	29255-31-0
CHLOROFLUOROCARBON-215	(CFC-215)	4259-43-2
CHLOROFLUOROCARBON-216	(CFC-216)	661-97-2
CHLOROFLUOROCARBON-217	(CFC-217)	422-86-6
ALL ISOMERS OF THE ABOVE CHEMICALS		
<i>GROUP IV</i>		
CARBON TETRACHLORIDE		56-23-5
<i>GROUP V</i>		
METHYL CHLOROFOAM		71-55-6
<i>GROUP VI</i>		
METHYL BROMIDE		74-83-9
ALL ISOMERS EXCEPT 1,1,2-TRICHLOROMETHANE		

<u>Class II Substances</u>		<u>CAS Number</u>
HYDROCHLOROFLUOROCARBON-21	(HCFC-21)	75-43-4
HYDROCHLOROFLUOROCARBON-22	(HCFC-22)	75-45-6
HYDROCHLOROFLUOROCARBON-31	(HCFC-31)	593-70-4
HYDROCHLOROFLUOROCARBON-121	(HCFC-121)	134237-32-4
HYDROCHLOROFLUOROCARBON-122	(HCFC-122)	354-21-2
HYDROCHLOROFLUOROCARBON-123	(HCFC-123)	134237-33-5
HYDROCHLOROFLUOROCARBON-124	(HCFC-124)	2837-89-0
HYDROCHLOROFLUOROCARBON-131	(HCFC-131)	134237-34-6
HYDROCHLOROFLUOROCARBON-132	(HCFC-132)	25915-78-0
HYDROCHLOROFLUOROCARBON-133	(HCFC-133)	431-07-2
HYDROCHLOROFLUOROCARBON-141	(HCFC-141)	25167-88-8
HYDROCHLOROFLUOROCARBON-142	(HCFC-142)	75-68-3
HYDROCHLOROFLUOROCARBON-221	(HCFC-221)	29470-94-8
HYDROCHLOROFLUOROCARBON-222	(HCFC-222)	134237-36-8
HYDROCHLOROFLUOROCARBON-223	(HCFC-223)	134237-37-9
HYDROCHLOROFLUOROCARBON-224	(HCFC-224)	134237-38-0
HYDROCHLOROFLUOROCARBON-225	(HCFC-225)	127564-92-5
HYDROCHLOROFLUOROCARBON-226	(HCFC-226)	134308-72-8
HYDROCHLOROFLUOROCARBON-231	(HCFC-231)	134190-48-0
HYDROCHLOROFLUOROCARBON-232	(HCFC-232)	134237-39-1
HYDROCHLOROFLUOROCARBON-233	(HCFC-233)	134237-40-4
HYDROCHLOROFLUOROCARBON-234	(HCFC-234)	127564-83-4
HYDROCHLOROFLUOROCARBON-235	(HCFC-235)	134237-83-5
HYDROCHLOROFLUOROCARBON-241	(HCFC-241)	134190-49-1
HYDROCHLOROFLUOROCARBON-242	(HCFC-242)	127564-90-3
HYDROCHLOROFLUOROCARBON-243	(HCFC-243)	134237-43-7
HYDROCHLOROFLUOROCARBON-244	(HCFC-244)	134190-50-4
HYDROCHLOROFLUOROCARBON-251	(HCFC-251)	134190-51-5
HYDROCHLOROFLUOROCARBON-252	(HCFC-252)	134190-52-6

List of Regulated Air Pollutants

Class II Substances

		<u>CAS Number</u>
HYDROCHLOROFLUOROCARBON-253	(HCFC-253)	134237-44-8
HYDROCHLOROFLUOROCARBON-261	(HCFC-261)	134237-45-9
HYDROCHLOROFLUOROCARBON-262	(HCFC-262)	134190-53-7
HYDROCHLOROFLUOROCARBON-271	(HCFC-271)	134190-54-8

Pollutants Regulated Under Section 112(r) "Accidental Release Prevention"

Regulated Toxic Substances (§112r)

	<u>CAS Number</u>
ACROLEIN	107-02-8 *
ACRYLONITRILE	107-13-1 *
ACRYLYL CHLORIDE	814-68-6
ALLYL ALCOHOL	107-18-61
ALLYLAMINE	107-11-9
AMMONIA (ANHYDROUS)	7664-41-7
AMMONIA (CONC. 20% OR GREATER)	7664-41-7
ARSENOUS TRICHLORIDE	7784-34-1 *
ARSINE	7784-42-1 *
BORON TRICHLORIDE	10294-34-5
BORON TRIFLUORIDE	7637-07-2
BORON TRIFLUORIDE WITH METHYL ETHER (1:1)	353-42-4
BROMINE	7726-95-6
CARBON DISULFIDE	75-15-0 *
CHLORINE	7782-50-5 *
CHLORINE DIOXIDE	10049-04-4
CHLOROFORM	67-66-3 *
CHLOROMETHYL ETHER	542-88-1
CHLOROMETHYL METHYL ETHER	107-30-2 *
CROTONALDEHYDE	4170-30-3
CROTONALDEHYDE (E)-	123-73-9
CYANOGEN CHLORIDE	506-77-4 *
CYCLOHEXYLAMINE	108-91-4
DIBORANE	19287-45-7
DIMETHYLDICHLOROSILANE	75-78-5
DIMETHYLHYDRAZINE, 1,1-	57-14-7 *
EPICHLOROHYDRIN	106-89-8 *
ETHYLENEDIAMINE	107-15-3
ETHYLENEIMINE	151-56-4 *
ETHYLENE OXIDE	75-21-8 *
FLUORINE	7782-41-4
FORMALDEHYDE (SOLUTION)	50-00-0 *
FURAN	110-00-9
HYDRAZINE	302-01-2 *
HYDROCHLORIC ACID (CONC. 30% OR GREATER)	7647-01-0
HYDROCYANIC ACID	74-90-8
HYDROGEN CHLORIDE (ANHYDROUS)	7647-01-0 *

* - denotes compounds included in the list of 189 Hazardous Air Pollutants regulated under Section 112-B of the Clean Air Act

List of Regulated Air Pollutants

<u>Regulated Toxic Substances (§112r)</u>	<u>CAS Number</u>
HYDROGEN FLUORIDE/HYDROFLUORIC ACID (CONC. 50% OR GREATER)	7664-39-3 *
HYDROGEN SELENIDE	7783-07-5
HYDROGEN SULFIDE	7783-06-4
IRON, PENTACARBONYL-	13463-40-6
ISOBUTYRONITRILE	78-82-0
ISOPROPYLCHLOROFORMATE	108-23-6
METHACRYLONITRILE	126-98-7
METHYL CHLORIDE	74-87-3 *
METHYL CHLOROFORMATE	79-22-1
METHYL HYDRAZINE	60-34-4 *
METHYL ISOCYANATE	624-83-9 *
METHYL MERCAPTAN	74-93-1
METHYL THIOCYANATE	556-64-9
METHYLTRICHLOROSILANE	75-79-6
NICKEL CARBONYL	13463-39-3 *
NITRIC ACID (CONC. 80% OR GREATER)	7697-37-2
NITRIC OXIDE	10102-43-9
OLEUM (FUMING SULFURIC ACID)	8014-95-7
PERACETIC ACID	79-21-0
PERCHLOROMETHYLMERCAPTAN	594-42-3
PHOSGENE	75-44-5 *
PHOSPHINE	7803-51-2 *
PHOSPHORUS OXYCHLORIDE	10025-87-3 *
PHOSPHORUS TRICHLORIDE	7719-12-2 *
PIPERDINE	110-89-4
PROPIONITRILE	107-12-0
PROPYL CHLOROFORMATE	109-61-5
PROPYLENEIMINE	75-55-8 *
PROPYLENE OXIDE	75-56-9 *
SULFUR DIOXIDE (ANHYDROUS)	7446-09-5
SULFUR TETRAFLUORIDE	7783-60-0
SULFUR TRIOXIDE	7446-11-9
TETRAMETHYLLEAD	75-74-1 *
TETRANITROMETHANE	509-14-8 *
TITANIUM TETRACHLORIDE	7550-45-0 *
TOLUENE 2,4-DIISOCYANATE	584-84-9 *
TOLUENE 2,6-DIISOCYANATE	91-08-7
TOLUENE DIISOCYANATE (UNSPECIFIED ISOMER)	26471-62-5
TRIMETHYLCHLOROSILANE	75-77-4
VINYL ACETATE MONOMER	108-05-4 *
ACETALDEHYDE	75-07-0 *
ACETYLENE	74-86-2
BROMOTRIFLUORETHYLENE	598-73-2
BUTADIENE, 1,3-	106-99-0 *

* - denotes compounds included in the list of 189 Hazardous Air Pollutants regulated under Section 112-B of the Clean Air Act

List of Regulated Air Pollutants

<u>Regulated Toxic Substances (§112r)</u>	<u>CAS Number</u>
BUTANE	106-97-8
BUTENE, 1-	106-98-9
BUTENE, 2-	107-01-7
BUTENE	25167-67-3
BUTENE-cis, 2-	590-18-1
BUTENE-trans, 2-	624-64-6
CARBON OXYSULFIDE	463-58-1
CHLORINE MONOXIDE	7791-21-1
CHLOROPROPYLENE, 2-	557-98-2
CHLOROPROPYLENE, 1-	590-21-6
CYANOGEN	460-19-5
CYCLOPROPANE	75-19-4
DICHLOROSILANE	4109-96-0
DIFLUOROETHANE	765-37-6
DIMETHYLAMINE	124-40-3
DIMETHYLPROPANE, 2,2-	463-82-1
ETHANE	74-84-0
ETHYL ACETYLENE	107-00-6
ETHYLAMINE	75-04-7
ETHYL CHLORIDE	75-00-3 *
ETHYLENE	74-85-1
ETHYL ETHER	60-29-7
ETHYL MERCAPTAN	75-08-1
ETHYLNITRITE	109-95-5
HYDROGEN	1333-74-0
ISOBUTANE	75-28-5
ISOPENTANE	78-78-4
ISOPRENE	78-79-5
ISOPROPYLAMINE	75-31-0
ISOPROPYL CHLORIDE	75-29-6
METHANE	74-82-8
METHYLAMINE	74-89-5
METHYL-1-BUTENE, 3-	563-45-1
METHYL-1-BUTENE, 2-	563-46-2
METHYL ETHER	115-10-6
METHYL FORMATE	107-31-3
<u>Regulated Flammable Substances</u>	<u>CAS Number</u>
METHYLPROPENE, 2-	115-11-7
PENTADINENE, 1-	504-60-9
PENTANE	109-66-0
PENTENE, 1-	109-67-1
PENTENE (E)-, 2-	646-04-8
PENTENE (Z)-, 2-	627-20-3
PROPADIENE	463-49-0

*** - denotes compounds included in the list of 189 Hazardous Air Pollutants regulated under Section 112-B of the Clean Air Act**

List of Regulated Air Pollutants

<u>Regulated Flammable Substances</u>	<u>CAS Number</u>
PROPANE	74-98-6
PROPYLENE	115-07-1
PROPYNE	74-99-7
SILANE	7803-62-5
TETRAFLUOROETHYLENE	116-14-3
TETRAMETHYLSILANE	75-76-3
TRICHLOROSILANE	10025-78-2
TRIFLUOROCHLOROETHYLENE	79-38-9
TRIMETHYLAMINE	75-50-3
VINYL ACETYLENE	689-97-4
VINYL CHLORIDE	75-01-4
VINYL ETHYL ETHER	109-92-2
VINYL FLUORIDE	75-02-5
VINYLDENE CHLORIDE	75-35-4
VINYLDENE FLUORIDE	75-38-7
VINYL METHYL ETHER	107-25-5

*** - denotes compounds included in the list of 189 Hazardous Air Pollutants regulated under Section 112-B of the Clean Air Act**

Categories of Sources Scheduled for Regulation Under Section 112 of the Clean Air Act (MACT Standards)

Category	Source Category	Scheduled Promulgation	Federal Register Promulgation
2,4-D Salts and Ester Production	Agricultural Chemicals Production	11/15/1997	
4-Chloro-2-Methylphenoxyacetic - Acid Production	Agricultural Chemicals Production	11/15/1997	
4,6-Dinitro-o-Cresol Production	Agricultural Chemicals Production	11/15/1997	
Acetal Resins Production	Polymers and Resins Production	11/15/1997	
Acrylic Fibers/Modacrylic Fibers Production	Fibers Production Processes	11/15/1997	
Aerosol Can-Filling Facilities	Miscellaneous Processes	11/15/2000	
Aerospace Industry	Surface Coating Processes	11/15/1994	09/01/1995 (60 FR 45948)
Alkyd Resins Production	Polymers and Resins Production	11/15/2000	
Alumina Processing	Mineral Products Processing	11/15/2000	
Amino Resins Production	Polymers and Resins Production	11/15/1997	
Ammonium Sulfate Production - Caprolactam By-Product Plants	Production of Inorganic Chemicals	11/15/2000	
Antimony Oxides Manufacturing	Production of Inorganic Chemicals	11/15/2000	
Asbestos Processing	Area Source	11/15/1994	11/30/1995 (60 FR 61550)
Asphalt Concrete Manufacturing	Mineral Products Processing	11/15/2000	
Asphalt Processing	Mineral Products Processing	11/15/2000	
Asphalt Roofing Manufacturing	Mineral Products Processing	11/15/2000	
Asphalt Coal Tar Application - Metal Pipes	Mineral Products Processing	11/15/2000	
Auto and Light Duty Truck	Surface Coating Process	11/15/2000	
Baker's Yeast Manufacturing	Food and Agriculture Processes	11/15/2000	
Benzyltrimethylammonium Chloride Production	Miscellaneous Processes	11/15/2000	
Boat Manufacturing	Polymers And Resins Production	11/15/2000	
Butadiene Dimers Production	Miscellaneous Processes	11/15/1997	
Butadiene-Furfural Cotrimer (R-11)	Polymers and Resins Production	11/15/2000	
Butyl Rubber Production	Polymers and Resins Production	11/15/1994	
Captafol Production	Agricultural Chemicals Production	11/15/1997	
Captan Production	Agricultural Chemicals Production	11/15/1997	
Carbonyl Sulfide Production	Miscellaneous Processes	11/15/2000	
Carboxymethylcellulose Production	Polymers and Resins Production	11/15/2000	
Cellophane Production	Polymers and Resins Production	11/15/2000	
Cellulose Ethers Production	Polymers and Resins Production	11/15/2000	
Cellulose Food Casing Manufacturing	Food and Agriculture Processes	11/15/2000	
Chelating Agents Production	Miscellaneous Processes	11/15/2000	
Chlorinated Paraffins Production	Miscellaneous Processes	11/15/2000	
Chlorine Production	Production of Inorganic Chemicals	11/15/1997	
Chloroneb Production	Agricultural Chemicals Production	11/15/1997	
Chlorothalonil Production	Agricultural Chemicals Production	11/15/1997	
Chromium Chemicals Manufacturing	Production of Inorganic Chemicals	11/15/1997	
Chromium Electroplating, Chromic Acid Anodizing	Miscellaneous Processes/Area Sources	11/15/1994	01/25/1995 (60 FR 4948)
Chromium Electroplating, Decorative	Miscellaneous Processes/Area Sources	11/15/1994	01/25/1995 (60 FR 4948)

Categories of Sources Scheduled for Regulation Under Section 112 of the Clean Air Act (MACT Standards) — Continued

Category	Source Category	Scheduled Promulgation	Federal Register Promulgation
Chromium Electroplating, Hard	Miscellaneous Processes/Area Sources	11/15/1994	01/25/1995 (60 FR 4948)
Chromium Refractories Production	Mineral Products Processing	11/15/2000	
Clay Products Manufacturing	Mineral Products Processing	11/15/2000	
Coke By-Product Plants	Ferrous Metals Processing	11/15/2000	
Coke Ovens: Charging, Top Side, and Door Leaks	Ferrous Metals Processing	12/31/1992	01/13/1994 (59 FR 1922)
Coke Ovens: Pushing, Quenching, and Battery Stacks	Ferrous Metals Processing	11/15/2000	
Commercial Sterilization Facilities	Miscellaneous Processes/Area Sources	11/15/1994	12/06/1994 (59 FR 62585)
Cyanuric Chloride Production	Production of Inorganic Chemicals	11/15/1997	
Dathal™ Production	Agricultural Chemicals Production	11/15/1997	
Dodencanedioic Acid Production	Miscellaneous Processes	11/15/2000	
Dry Cleaning (Petroleum Solvent)	Miscellaneous Processes	11/15/2000	12/20/1993 (59 FR 66287)
Dry Cleaning, Commercial (Perchloroethylene) - Dry-to-Dry Machines	Area Sources	11/15/1992	12/20/1993 (59 FR 66287)
Dry Cleaning, Commercial (Perchloroethylene) - Transfer Machines	Miscellaneous Processes/Area Sources	11/15/1992	12/20/1993 (59 FR 66287)
Dry Cleaning, Industrial (Perchloroethylene) - Dry-to-Dry Machines	Miscellaneous Processes	11/15/1992	12/20/1993 (59 FR 66287)
Dry Cleaning, Industrial (Perchloroethylene) - Transfer Machines	Miscellaneous Processes	11/15/1992	12/20/1993 (59 FR 66287)
Engine Test Facilities	Fuel Combustion	11/15/1997	
Epichlorohydrin Elastomers Production	Polymers and Resins Production	11/15/1994	
Epoxy Resins Production	Polymers and Resins Production	11/15/1994	
Ethylene-Propylene Elastomers Production	Polymers and Resins Production	11/15/1994	
Ethylidene Norbornene Production	Miscellaneous Processes	11/15/2000	
Explosives Production	Miscellaneous Processes	11/15/2000	
Ferroalloys Production	Ferrous Metals Processing	11/15/1997	
Flat Woods Paneling	Surface Coating Processes	11/15/2000	
Flexible Polyurethane Foam Production	Polymers and Resins Production	11/15/1997	
Fume Silica Production	Production of Inorganic Chemicals	11/15/2000	
Gasoline Distribution (Stage 1)	Liquids Distribution	11/15/1994	12/14/1994 (59 FR 64303)
Halogenated Solvent Cleaners	Miscellaneous Processes/Area Sources	11/15/1994	12/30/1994 (59 FR 67750)
Hazardous Waste Incineration	Waste Treatment Disposal	11/15/2000	
Hydrazine Production	Miscellaneous Processes	11/15/2000	
Hydrochloric Acid Production	Production of Inorganic Chemicals	11/15/2000	
Hydrogen Cyanide Production	Production of Inorganic Chemicals	11/15/1997	
Hydrogen Fluoride Production	Production of Inorganic Chemicals	11/15/2000	
Hypalon™ Production	Polymers and Resins Production	11/15/1994	
Industrial Boilers	Fuel Combustion	11/15/2000	
Industrial Process Cooling Towers	Miscellaneous Processes	11/15/1994	09/08/1994 (59 FR 46339)
Institutional/Commercial Boilers	Fuel Combustion	11/15/2000	
Integrated Iron and Steel Manufacturing	Ferrous Metals Processing	11/15/2000	

Categories of Sources Scheduled for Regulation Under Section 112 of the Clean Air Act (MACT Standards) — Continued

Category	Source Category	Scheduled Promulgation	Federal Register Promulgation
Iron Foundries	Ferrous Metals Processing	11/15/2000	
Large Appliances	Surface Coating Processes	11/15/2000	
Lead Acid Battery Manufacturing	Non-Ferrous Metals Processing	11/15/2000	
Lime Manufacturing	Mineral Products Processing	11/15/2000	
Magnetic Tape	Surface Coating Processes	11/15/1994	12/15/1994 (59 FR 64580)
Maleic Anhydride Copolymers Production	Polymers and Resins production	11/15/2000	
Manufacture of Paints Coatings, and Adhesives	Surface Coating Processes	11/15/2000	
Marine Vessel Loading/Unloading	Miscellaneous Processes	05/13/1994	09/19/1995 (60 FR 48388)
Metal Can	Surface Coating Processes	11/15/2000	
Metal Coil	Surface Coating Processes	11/15/2000	
Metal Furniture	Surface Coating Processes	11/15/2000	
Methyl Methacrylate-Acrylonitrile-Butadiene-Styrene Production	Polymers and Resins Production	11/15/1994	
Methyl Methacrylate-Butadiene-Styrene Terpolymers Production	Polymers and Resins Production	11/15/1994	
Methylcellulose Production	Polymers and Resins Production	11/15/2000	
Mineral Wood Production	Mineral Products Processing	11/15/1997	
Miscellaneous Metal Parts and Products	Surface Coating Processes	11/15/2000	
Municipal Landfills	Waste Treatment and Disposal	11/15/2000	
Neoprene Production	Polymers and Resins Production	11/15/1994	
Nitrile Butadiene Rubber Production	Polymers and Resin Production	11/15/1994	
Nylon 6 Production	Polymers and Resins Production	11/15/1997	
OBPA/1,3-Diisocyanide Production	Miscellaneous Processes	11/15/2000	
Oil and Natural Gas Production	Petroleum and Natural Gas Production and Refining	11/15/1997	
Organic Liquids Distribution (Non-Gasoline)	Liquids Distribution	11/15/2000	
Paint Stripper Users	Miscellaneous Processes	11/15/2000	
Paper and Other Webs	Surface Coating Processes	11/15/2000	
Petroleum Refineries, Catalytic Cracking (Fluid and Other) Units, Catalytic Reforming Units, and Sulfur Plant Units	Petroleum and Natural Gas Production and Refining	11/15/1997	
Petroleum Refineries, Other Sources Not Distinctly Listed	Petroleum and Natural Gas Production and Refining	11/15/1994	08/18/1995 (60 FR 43244)
Pharmaceutical Production	Pharmaceutical Production Processes	11/15/1997	
Phenolic Resins Production	Polymers and Resins Production	11/15/1997	
Phosphate Fertilizers Production	Production of Inorganic Chemicals	11/15/2000	
Phosphoric Acid Manufacturing	Production of Inorganic Chemicals	11/15/2000	
Photographic Chemicals Production	Miscellaneous Processes	11/15/2000	
Phthalate Plasticizers Production	Miscellaneous Processes	11/15/2000	
Plastic Parts and Products	Surface Coating Processes	11/15/2000	
Plywood/Particle Board Manufacturing	Miscellaneous Processes	11/15/2000	
Polyamides Production, Non-Nylon	Polymers and Resins Production	11/15/1994	03/08/1995 (60 FR 12670)
Polybutadiene Rubber Production	Polymers and Resins Production	11/15/1994	

Categories of Sources Scheduled for Regulation Under Section 112 of the Clean Air Act (MACT Standards) — Continued

Category	Source Category	Scheduled Promulgation	Federal Register Promulgation
Polycarbonates Production	Polymers and Resins Production	11/15/1997	
Polyester Resins Production	Polymers and Resins Production	11/15/2000	
Polyether Polyols Production	Miscellaneous Processes	11/15/1997	
Polyethylene Teraphthalate Production	Polymers and Resins Production	11/15/1994	
Polymerized Vinylidene Chloride Production	Polymers and Resins Production	11/15/2000	
Polymethyl Methacrylate Resins Production	Polymers and Resins Production	11/15/2000	
Polystyrene Production	Polymers and Resins Production	11/15/1994	
Polysulfide Rubber Production	Polymers and Resins Production	11/15/1994	
Polyvinyl Acetate Emulsions Production	Polymers and Resins Production	11/15/2000	
Polyvinyl Alcohol Production	Polymers and Resins Production	11/15/2000	
Polyvinyl Butyral Production	Polymers and Resins Production	11/15/2000	
Polyvinyl Chloride and Copolymers Production	Polymers and Resins Production	11/15/2000	
Portland Cement Manufacturing	Mineral Products Processing	11/15/1997	
Primary Aluminum Production	Non-Ferrous Metals Production	11/15/1997	
Primary Copper Smelting	Non-Ferrous Metals Production	11/15/1997	
Primary Lead Smelting	Non-Ferrous Metals Production	11/15/1997	
Primary Magnesium Refining	Non-Ferrous Metals Production	11/15/1997	
Printing Coating, and Dying of Fabrics	Surface Coating Processes	11/15/2000	
Printing/Publishing	Surface Coating Processes	11/15/1994	
Process Heaters	Fuel Combustion	11/15/2000	
Public Owned Treatment Works (POTW) Emissions	Waste Treatment and Disposal	11/15/1995	
Pulp and Paper Production	Miscellaneous Processes	11/15/1997	
Quaternary Ammonium Compounds Production	Production of Inorganic Chemicals	11/15/2000	
Rayon Production	Fibers Production Processes	11/15/2000	
Reinforced Plastic Composites Production	Polymers and Resins Production	11/15/1997	
Rocket Engine Test Firing	Miscellaneous Processes	11/15/2000	
Rubber Chemicals Manufacturing	Miscellaneous Processes	11/15/2000	
Secondary Aluminum Production	Non-Ferrous Metals Production	11/15/1997	
Secondary Lead Smelting	Non-Ferrous Metals Production	01/15/1994	06/23/1995 (60 FR 32587)
Semiconductor Manufacturing	Miscellaneous Processes	11/15/2000	
Sewage sludge Incineration	Waste Treatment and Disposal	11/15/2000	
Shipbuilding and Ship Repair	Surface Coating Processes	11/15/1994	12/15/1995 (60 FR 64330)
Site Remediation	Waste Treatment and Disposal	11/15/2000	
Sodium Cyanide Production	Production of Inorganic Chemicals	11/15/1997	
Sodium Pentachlorophenate Production	Agricultural Chemicals Production	11/15/1997	
Solid Waste Treatment, Storage and Disposal Facilities (TSDF)	Waste Treatment and Disposal	11/15/1994	12/06/1994 (59 FR 62896)
Spandex Production	Fibers Production Processes	11/15/2000	
Stationary Internal Combustion Engines	Fuel Combustion	11/15/2000	
Stationary Turbines	Fuel Combustion	11/15/2000	

Categories of Sources Scheduled for Regulation Under Section 112 of the Clean Air Act (MACT Standards) — Continued

Category	Source Category	Scheduled Promulgation	Federal Register Promulgation
Steel Foundries	Ferrous Metals Processing	11/15/2000	
Steel Manufacturing, Stainless - Electric Arc Furnace (EAF) Operation	Ferrous Metals Processing	11/15/1997	
Steel Manufacturing, Non-stainless - Electric Arc furnace (EAF) Operation	Ferrous Metals Processing	11/15/1997	
Steel Pickling-HCl Process	Ferrous Metals Processing	11/15/1997	
Styrene-Acrylonitrile Production	Polymers and Resins Production	11/15/1994	
Styrene-Butadiene Rubber and Latex Production	Polymers and Resins Production	11/15/1994	
Symmetrical Tetrachloropyridine Production	Miscellaneous Processes	11/15/2000	
Synthetic Organic Chemicals Manufacturing	Production of Organic Chemicals	11/15/1992	04/22/1994 (59 FR 19402)
Taconite Iron Ore Processing	Mineral Products Processing	11/15/2000	
Tire Production	Miscellaneous Processes	11/15/2000	
Tordon™ Acid Production	Agricultural Chemicals Production	11/15/1997	
Uranium Hexafluoride Production	Production of Inorganic Chemicals	11/15/2000	
Vegetable Oil Production	Food and Agriculture Processes	11/15/2000	
Wood Furniture	Surface Coating Processes	11/15/1994	12/07/1995 (60 FR 62930)
Wood Treatment	Miscellaneous Processes	11/15/1997	
Wool Fiberglass Manufacturing	Mineral Products Processing	11/15/1997	

List of Industries, Activities, and Emission Units Subject to NSPS

<p>Aluminum reduction plants</p> <p>Ammonium sulfate manufacturing</p> <p>Asphalt:</p> <ul style="list-style-type: none"> — Hot mix facilities — Processing and roofing manufacturing <p>Brass production plants (secondary)</p> <p>Bronze production plants (secondary)</p> <p>Bulk gasoline terminal</p> <p>Calciners and dryers in mineral industries</p> <p>Coal preparation plants</p> <p>Copper smelters (primary)</p> <p>Ferroalloy production facilities</p> <p>Flexible vinyl and urethane coating and printing</p> <p>Gas turbine (stationary)</p> <p>Glass manufacturing plants</p> <p>Grain elevators</p> <p>Incinerators</p> <p>Kraft pulp mills</p> <p>Lead-acid battery manufacturing plants</p> <p>Lead smelters (primary and secondary)</p> <p>Lime manufacturing plants</p> <p>Magnetic tape coating facilities</p> <p>Mineral processing plants (metallic and nonmetallic)</p> <p>Municipal waste combusters</p> <p>Natural gas processing plants</p> <p>Nitric acid plants</p> <p>Petroleum dry cleaners</p> <p>Petroleum refineries including waste water systems and equipment leaks</p> <p>Phosphate fertilizer industry:</p> <ul style="list-style-type: none"> — Diammonium phosphate plants — Granular triple superphosphate storage facilities — Superphosphoric acid plants — Triple superphosphate plants — Wet-process phosphoric acid plants <p>Phosphate rock plants</p>	<p>Polymer manufacturing industry</p> <p>Polymeric coating of supporting substrate facilities</p> <p>Portland cement plants</p> <p>Publication rotogravure printing</p> <p>Residential wood heaters (new)</p> <p>Rubber tire manufacturing industry</p> <p>Sewage treatment plants</p> <p>Steam generating activities:</p> <ul style="list-style-type: none"> — Electric utility units — Fossil fuel-fired generators — Industrial/commercial/institutional units <p>Steelmaking facilities:</p> <ul style="list-style-type: none"> — Argon oxygen decarburization vessels — Electric arc furnaces — Basic oxygen processes <p>Storage vessels:</p> <ul style="list-style-type: none"> — Petroleum liquids — Volatile organic liquids <p>Sulfuric acid plants</p> <p>Surface coating operations:</p> <ul style="list-style-type: none"> — Automobile and light-duty trucks — Beverage cans — Large appliances — Metal coils — Metal furniture — Plastic parts for business machines — Pressure sensitive tapes and labels <p>Synthetic fiber production facilities</p> <p>Synthetic organic chemical manufacturing industry (SOCMI):</p> <ul style="list-style-type: none"> — Reactor processes — Air oxidation unit processes — Distillation operations — Equipment leaks <p>Wool fiberglass insulation manufacturing plants</p> <p>Zinc smelters (primary)</p>
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List of De minimis Levels for Regulated Air Pollutants

De minimis Emission:

Any emission level (Potential to Emit) less than or equal to the rates listed in Table 1 of 10 CSR 10-6.020(3)(A).

Table 1 of 10 CSR 10-6.020(3)(A)

AIR POLLUTANT	EMISSION RATE (Tons Per Year)
Carbon Monoxide	100.0
Nitrogen Dioxide	40.0
Total Suspended Particulates	25.0
Particulate Matter - 10 micron (PM₁₀)	15.0
Sulfur Dioxide	40.0
Ozone (to be measured as VOC)	40.0
Lead	0.6
Mercury	0.1
Beryllium	0.0004
Asbestos	0.007
Fluorides	3.0
Sulfur Acid Mist	7.0
Vinyl Chloride	1.0
Hydrogen Sulfide	10.0
Total Reduced Sulfur (including Hydrogen Sulfide)	10.0
Reduced Sulfur Compounds (including Hydrogen Sulfide)	10.0
Municipal Waste Combustor Organics -- (measured as Total Tetra- through Octa-Chlorinated Dibenzo-p-Dioxins and Dibenzofurans)	3.5 x 10⁻⁶
Municipal Waste Combustor Metals -- (measured as Particulate Matter)	15.0
Municipal Waste Combustor Acid Gases-- (measured as Sulfur Dioxide and Hydrogen Chloride)	40.0
Hazardous Air Pollutant (each)	10.0
Sum of Hazardous Air Pollutants	25.0